# Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 135 JANUARY 2, 1939 Number 1



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# Oil, Paint and Drug Reporter

*Founded 1871 by William O. Allison*

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## Pest Control Conference At Purdue Jan. 16-20

The third annual pest control operators conference will be held at Purdue University, Lafayette, Ind., January 16-20. The conference is sponsored by the National Association of Exterminators and Fumigators and the department of entomology of the university. Registration will begin at noon, January 16, in the Agricultural building of the university. Acting Dean V. C. Freeman will deliver the address of welcome, and J. J. Davis, of Purdue, will give an address entitled "Our Problems." State and Federal officials and representatives of manufacturers and operators will be the speakers at the conference. The topics to be considered are, in their chronological order, the following:—

Life history and habits of insects; their relation to control.

Structural characteristics of insects; their relation to control and identification.

Fundamentals of insect control.

Fundamentals of chemistry as they apply to insecticides.

Contacts and publications of value to the pest control operator.

Natural habits and history of rats and mice.

Demonstration in preparation of rat baits.

Questions and answers clinic on rat and house control.

Classification and identification of insect adults.

Fundamentals of building construction.

Problems arising in relation to household fumigation.

Hazards in household fumigation.

Demonstration on use of gas masks and other precautionary measures.

Origin of pest infestations.

Identification of immature stages of insects.

Characteristic injuries by wood-infesting insects.

New and useful chemical insecticides made from Derris resine and rotenone.

Basic formulas.

How to mix insecticides.

Cockroaches——life histories and habits of the common household species and their control, with demonstration on mixing and apply controls.

Wetting agents and penetrants for mothproofing solutions.

Clinic on clothes moths and carpet beetles.

Ants—their identification and control.

Termite Problem.

Building construction and treatment. A demonstration.

Standardized technique for soil treatment tests against subterranean termites.

Procedure, hazards and precautions in termite control.

Experiences with unusual insects and unusual insect situations.

The Southern pest control operators conference will be held at the University of Louisiana, January 30, through February 1. The Pacific coast pest control operators conference will be held at the University of California, Berkeley, February 20-22.

## U.S. Industrial Alcohol Renames Selling Unit

President C. S. Munson announced that, beginning January 1, 1939, all manufacturing and selling activities of the U. S. Industrial Alcohol Corporation, with the exception of resins, are to be conducted by U. S. Industrial Chemicals, Inc., a wholly owned subsidiary, formerly known as U. S. Industrial Alcohol Sales Company. This change of name designates more accurately the present nature of the U. S. Industrial Alcohol organization's business and reflects also its greatly widened scope in the chemical field. The same organization and plant facilities will continue to serve U. S. Industrial's customers as before.

The most recent major step in widening the chemical activities of U. S. Industrial Alcohol was its entry into the resin business. Early in 1938 it acquired the business of Robert Rauh, Inc. Later in the year it also acquired the Stroock & Wittenberg Corporation, well-known importer of natural resins and distributors of synthetic resins. All of the company's resin activities are now conducted by the Stroock & Wittenberg Corporation.

## Mineral Lands Opened in Colorado

*OPD Washington Bureau*
*December 27, 1938*

Approximately 4,000,000 acres of public lands in Colorado, said to be valuable for minerals, were opened to filing of claims for mineral leases under a recent order of the Department of the Interior.

A departmental order of September 19, 1934, temporarily withdrew a large acreage, and an act of June 28, 1938, provided that no Colorado lands north of and including township 35, formerly owned or claimed by the Ute Indians, were to be restored to tribal ownership, and such lands not already disposed of were to be the absolute property of the United States. The new order revokes as of January 31, 1939, at 9:00 a.m., as much of the order of September 19, 1934, which temporarily withdrew any of the lands in question.

Applications for lands north of the township line between townships 41 and 42 North, N. M. P. M., should be filed in the district land office in Denver, according to the order, and those for lands south of that line in the district land office in Pueblo. Under the provisions of the Taylor grazing act the lands released will not be susceptible to entry through the homestead of any of the nonmineral land laws until classified as suitable for, and made subject to, such entry.

## Williams Promoted By Monsanto Company

*St. Louis, Dec.* 28, 1938

Victor E. Williams, manager of the New York sales branch of Monsanto Chemical Company, has been promoted to assistant general manager of sales.

Victor E. Williams

In his new position, Mr. Williams will divide his time between New York and the St. Louis headquarters of Monsanto. He will reside in New York. A. T. Loeffler, who has been assisant manager of the New York branch, has been promoted to the managership to succeed Mr. Williams. F. C. Renner, assistant general manager of sales, Merrimac Division of Monsanto, Boston, has been promoted to succeed Mr. Loeffler at New York.

Mr. Williams was born in St. Louis in 1896. Following education in St. Louis schools, he started work in 1915 as office boy for John Francis Queeny, founder and first president of Monsanto. After service with the Missouri National Guard on the Mexican border in 1916, he returned to the company to find he had been promoted to the order and billing department. Again, the National Guard unit of which he was a member was mobilized and Mr. Williams was sent overseas. He returned

—*Continued on page* 37

# Alcohol As Motor Fuel Is Economically Handicapped

*OPD Washington Bureau*
*December 28, 1938*

Economic obstacles to the use of alcohol-gasoline blends for motor fuel are so great as to discourage immediate attempts to promote alky-gas on a national scale as a means of increasing farm income, it is concluded by two Department of Agriculture scientists who have been studying the problem for some time.

All aspects of the alcohol fuel proposal are discussed in considerable detail in a 125-page book, "Motor Fuels From Farm Products," issued by the Department of Agriculture this week, and written by P. Burke Jacobs and Harry P. Newton, chemists of the industrial farm products research division of the Bureau of Chemistry and Soils.

Preparation of the book involved no new research, but material from all available sources was collected and digested so that the publication is a valuable handbook for persons interested in the subject. Economic, agricultural, and technical aspects of the alcohol fuel proposal are treated in detail, and a bibliography on the subject is included. Much of the material also has a bearing on the general subject of industrial products of farm crops.

As to the technical aspects, the authors accept the findings of other researches that an alcohol-gasoline blend makes a satisfactory motor fuel under certain conditions, the advantages and disadvantages being discussed briefly. The bulk of the publication deals with economic problems of growing crops to produce alcohol, concentrating them at distilleries, construction and operation of alcohol plants, utilization of by-products, costs of producing alcohol from various crops, and the effects on the oil industry of the nation-wide use of alky-gas.

### Technical Conclusions

The authors summarize their conclusions as follows:—

Replacement fuels to supplement future decrease in petroleum production, even if not needed for a decade, should be provided for in advance of any price increase of present fuels.

Future fuels of lowest relative cost will probably be obtained by synthesis from gases and alternatively from agricultral materials.

Blends of ethyl alcohol with gasoline function satisfactorily as fuel for present type internal-combustion engines, especially with increased engine compression ratios and other favorable changes in design.

The most satisfactory blend for present conditions should contain about 10 percent of alcohol, although other percentages can be used.

Uniformity of concentration and employment of alcohol blends are desirable, and all motor fuels should, therefore, be nationally standardized.

Present crop production is inadequate to permit alcohol production for a national 10 percent blend without encroachment on normal feed, food, and industrial supplies.

Alcohol production from present crop wastes, culls, and surpluses is unlikely to be continuously adequate for a national 5 percent blend.

As present costs of producing alcohol do not permit equal competition between blends and straight gasoline, fuels from agricultural products could be used only with some form of supplementary financial support, which might, however, replace present direct or indirect government farm aid. Such use of agricultural products would stimulate industrial activity and employment and perhaps increase farm income, but the higher cost of the fuel would ultimately fall on the taxpayer. Although the sale of crop materials un-

—*Continued on page* 46

## Geologists Elect Dr. Vaughan President

Dr. T. Wayland Vaughan, senior geologist of the United States Geological Survey, Washington, was elected president of the Geological Society of America for 1939 at the society's semicentennial meeting, held in the Waldorf-Astoria, December 28-31. Dr. Vaughan, succeeds Arthur L. Day, former director of the Geophysical Laboratory of the Carnegie Institution, Washington.

Other officers were chosen as follows:—First vice-president, Eliot Blackwelder, of Stanford University; second vice-president, Elwood S. Moore, of the University of Toronto; third vice-president, Dr. C. W. Gilmore, curator of the United States Nation Museum, Washington; fourth vice-president, J. Ellis Thomson, of the University of Toronto; secretary, Charles P. Berkey, of Columbia University; treasurer, Edward B. Mathews, of Johns Hopkins University. These officers will also be councilors of the society. Other councilors named are:—Joseph Stanley Brown, of Kew Gardens, N. Y.; Prof. A. F. Buddington, of Princeton University; Prof. B. S. Butler, of the University of Arizona.

Officers were also elected by the Mineralogical Society of America and the Paleontological Society, which, in association with the Geological Society and the Eastern section of the Seismological Society, were holding their annual sessions coincidently.

Officers elected by the Mineralogical Society were:—

President, Maxwell Naylor Short of the University of Arizona; vice-president, Burnham S. Colburn, collector of unusual minerals, Biltmore, N. C.; secretary, Paul F. Kerr, of Columbia University; treasurer, Waldemar T. Schaller, of the United States Geological Survey.

—*Continued on page* 46

## Phthalic Patents Infringement Charged

Suit has been entered in the United States District Court for Delaware by the National Aniline & Chemical Company, this city, charging Reichold Chemicals, Inc., Detroit, with infringements for patents having to do with the manufacture of phthalic anhydride. The patents in question are United States No. 1,787,416 and No. 1,971,888, known as the Wohl patents.

The complainant seeks an injunction and an accounting.

### Christ Child Registration As Trademark Refused

The United States Patent Office has refused the application of the F. & M. Importing Company, Los Angeles, for registration of a label for edible oils where that label includes a representation of the Christ Child in the arms of St. Joseph.

The opinion declared that "one must consider the propriety of commercializing the name of the Savior," and said that even in the absence of statutory authority registration may properly be refused either of trademarks or labels involving matter which is manifestly sacrilegious, scandalous, immoral or offensive to the public.

## Chemists to Meet At Golden Gate Fair

The Western Chemical Congress will be held on Treasure Island during the 1939 Golden Gate International Exposition; August 7 to 11 have been set as tentative dates.

The idea behind the congress, according to Dr. Rene Engel, secretary of the arrangements committee, is to bring together all chemists' societies and chemical associations to explain the place of chemistry in modern life, and to study possibilities of improving and expanding Western chemical process industries. Discussions of natural resources, material and opportunities afforded in the West, together with the study of means of widening Western markets and stimulating general consumption abroad will be taken up.

## Closing Market Developments

### London Closing Cable

*London, Dec. 30, 1938*

Quotations on beeswax prevailed at 98c. per hundredweight.

### Imported Blood Advances

The price of imported dried blood rose sharply as sellers of this material reported sales at a price level of from $3 to $3.10 per unit-ton, c.i.f., Atlantic ports. This is an advance of from 10c. to 20c. per unit-ton.

### Cottonseed Oil Easier

Refined cottonseed oil futures were irregular on Friday, with the trend downward early in the session after which there was a rally. Weakness in lard caused selling by local and outside traders. May closed at 7.67c. and July 7.78c.

### Tungsten Metal Powder Lower

Quotations for 99 percent tungsten metal powder, were lowered 70c. per pound, price ranging from $2.10 to $2.20 per pound, according to quantity. Other tungsten derivatives were without change.

### California Crude Oil Output Cut

California oil producers ordered state's production quota for January cut to 600,000 barrels daily, with a tolerance of 5,000 barrels daily for new wells. This is a reduction of 10,000 barrels daily from the quota in effect during December. Full compliance with new quota would mean daily average production of a little less than 605,000 barrels during the month.

## Marshall Made President Of Rumford Chemical

Albert E. Marshall has been elected president of the Rumford Chemical Works, Rumford, R. I. Mr. Marshall has been on the directorate of the company since 1936, and a member of the executive committee since early 1938. He is

Albert E. Marshall

an acknowledged authority on the manufacture of phosphates, having designed and operated many such plants and having contributed to the art in various patents.

Born in Liverpool, England, Mr. Marshall has spent his working life in the United States, and has served as consultant for many corporations. He served two terms as president of the American Institute of Chemical Engineers and was chairman of the Society of Chemical Industry. He is now vice-president of the Chemists' Club of New York, and is also a fellow of the Royal Society of Arts, and a member of the American Chemical Society, and the American Institute of Mining and Metallurgical Engineers.

His work has been principally concerned with plant design, studies of product manufacture, and product handling in the market. Rumford Chemical Works, which produces various chemical products, is a prominent factor in the baking powder business, producing a phosphate baking powder widely known in the United States and many foreign countries since Eben Horsford founded the company in 1859.

## Eagle-Picher Expands

One of the largest mining deals ever made in the Missouri-Kansas-Oklahoma zinc and lead region was announced by the Eagle-Picher Mining and Smelting Company of Joplin, Mo., in its purchase of the Commerce Mining and Royalty Company for more than $10,000,000. The Commerce company was the largest single lead and zinc producer in the tri-state field.

## Chemical Price Structure Weaker

The general condition of the price structure in the markets for heavy and fine chemicals was weakened somewhat last week by reductions of quotations on liquid chlorine and crude naphthalene. There was a bit of strength in tin derivatives, but other important items were on the lower side.

Activity was what could be expected in holiday week. The year ended on an upward surge, in distinction from the ebb through the close of 1937.

Prices were advanced on Straits tin, stannous chloride, tin crystals, tetrachloride of tin, stannate of soda, antimony, dicalcium phosphate, high grades of gum rosin, domestic and imported dried blood, and domestic tankage.

Prices were reduced on liquid chlorine in tankcars, plain and phthalate-treated titanium dioxide, domestic crude naphthalene, chrome cake, dimethylanilin, silicofluoride of soda, N F. ethyl acetate, domestic rottenstone, low and medium grades of gum rosin, gum turpentine, Caucasian dioxide of manganese, domestic bone, and domestic nitrogenous fertilizer stuff.

The REPORTER'S composite index number of prices for heavy and fine chemicals was not appreciably changed from 125.5 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 88.9, compared with 89.9 at this time last year and 88.9 in 1937.

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## St. Louis Drug-Chemical Association Elects

The St. Louis Drug-Chemical and Allied Trades Association of St. Louis held its annual meeting in the York hotel, December 10. Approximately 125 members attended the meeting which was followed by banquet. The association,

Sid Whiting Studio

Frank C. Flynn

through its various committees, reported a successful 1938 year. Officers elected were:—

President, Frank C. Flynn, of the American Drug Corporation.

First vice-president, Thomas O. Trisler, of Merck & Co.

Second vice-president, Elmer C. Flint, of the Charles H. Dietz Company.

Secretary-treasurer, Robert R. Rosenthal, of the Superior Folding Box Company.

Elected to the directorate were:—Chairman, Leon Broyer, of the Mallinckrodt Chemical Works; O. J. Cloughly, of the St. Louis Warehouse Drug Company; W. O. Dempsey, of the St. Louis Star-Times; E. L. Dumas, of the Petrol Agar Laboratories; R. T. Dunn, of the Dick Dunn Drug Products Company; Harley A. Eckhart, of Dr. Miles Laboratories; Fred A. Hoch, of John Wyeth & Bros., Inc.; Charles J. LaMothe, of St. Louis Terminal Warehouse; Walter Meissler, jr., of Merck & Co.; Paul L. Mueller, of the Missouri Box & Label Company; Joseph Noh, of McKesson-Robbins, Inc.; J. L. Smith, of the Mennen Company; Ernest T. Stehlby, of the Monsanto Chemical Company; Paul Strahl, of Burrough Brothers Manufacturing Company; J. A. Veazey, of Merck & Co.; G. C. Wade, of the Meyer Brothers Drug Company; and O. G. Weitzel, of Eastman Kodak Company.

## Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

**Carbaxole:**—Imports into Italy have been made subject to a duty of 150 lire per 100 kilos.

**Acid, Tartaric:**—A Canadian customs ruling has removed powdered tartaric acid and powdered cream of tartar from the list of acids and chemicals held to be of kinds made in Canada. As a result of the ruling, these products are not subject to dumping duty.

**Flaxseed:**—An Argentine decree has established a basic minimum price of 13 paper pesos per 100 kilos for flaxseed.

**Gasoline:**—A Bolivian law provides for progressive consumption taxes on gasoline during 1939 of 0.10 bolivanos per liter; 0.15, in 1940, and 0.20, in 1941.

**Import Sales Tax:**—The Sales tax, applicable, with certain exemptions, to imports and exports in the Ivory Coast of French West Africa has been increased from 3.15 percent to 3.65 percent ad valorem.

**Oil Seed Cakes:**—The French import duties on oilseed cakes have been suspended and the import license taxes have been modified to the basis of 30 francs per 100 gross kilos on peanut oil cakes; 20 francs per 100 gross kilos on palmetto cakes, and 5 francs per 100 gross kilos on all others.

**Thiocarbanilide:**—Imports into Italy have been made subject to a duty of 880 lire per 100 kilos net.

# Drug and Cosmetic Regulations Approved

*OPD Washington Bureau*
*December 28, 1938*

Publication today of the text of the revised general regulations under the food, drug, and cosmetic act reveals that a large number of changes have been made in the tentative draft on which public hearings were held November 17 and 18.

The most important changes are in the section dealing with a difference of medical opinion regarding a drug, and in the food, drug, and cosmetic sections relating to the information which must appear on the display panel of the label. Both of these were briefly summarized in last week's issue of this paper. In a number of instances the word, "may," has been substituted for "shall" in the original draft.

If a food, drug, or cosmetic is not manufactured by the person whose name appears on the label, the new regulation requires that "the name shall be qualified by a phrase which reveals the connection such person has" with the article. This is somewhat less restricted than the language in the tentative draft.

In several sections the paragraphs have been rearranged and renumbered and in a number of places there are slight changes in language which do not materially alter the sense. For example, the phrase "shipment or delivery" is substituted for "shipment or lot" throughout; likewise the phrase "appears on the label" instead of "is stated on the label."

The exemption for small packages of cosmetics has been lowered. The original regulations permitted packages of one-half ounce to be exempt from the statement of weight on the label, but the revised regulations reduce this to one-quarter ounce. With respect to this matter, Secretary of Agriculture Wallace, in promulgating the regulations, said:—

More liberal exemptions of small packages were urged from the requirements of sections 403(e), 502 (b), and 602(b) that labels shall bear a statement of the quantity of the contents. Favorable consideration could not be given to such proposals in the light of evidence from consumer groups on the importance, particularly to those having low incomes, of label statements of net contents on packages even smaller than some of those for which the proposed regulations provided exemptions.

The regulations are to take effect on the effective date of the new law, June 25, 1939, except those that pertain to the enforcement of sections 502(j), 505, or 601(a), which took effect on promulgation. Former temporary regulations under section 201(p), 505, and 702(b) are repealed.

## Changed Regulations

In the new regulations the following paragraphs applying in respect of drugs and cosmetics are different from the corresponding provisions in the tentative draft; in other respects these provisions are as published in the REPORTER for October 24:—

**Section 201(n)**

The existence of a difference of opinion, among experts qualified by scientific training and experience, as to the truth of a representation made or suggested in the labeling is a fact (among other facts) the failure to reveal which may render the labeling misleading, if there is a material weight of opinion contrary to such representation.

## Drug Regulations

**Section 501(b)**

(a) The name by which a drug is designated shall be clearly distinguishing and differentiating from any name recognized in an official compendium unless such drug complies in identity with the identity prescribed in an official compendium under such recognized name.

(b) The term "drug defined in an official compendium" means a drug having the identity prescribed for a drug in an official compendium.

(c) A statement that a drug defined in an official compendium differs in strength, quality, or purity from the standard of strength, quality, or purity set forth for such drug in an official compendium shall show all the respects in which such drug so differs, and the extent of each such difference.

**Section 502(a)**

(a) Among representations in the labeling of a drug or device which render such drug or device misbranded is a false or misleading representation with respect to another drug or device or a food or cosmetic.

(b) The labeling of a drug which contains two or more ingredients may be misleading by reason (among other reasons) of the designation of such drug in such labeling by a name which includes or suggests the name of one or more but not all such ingredients, even though the names of all such ingredients are stated elsewhere in the labeling.

**Section 502(b)**

(a) If a drug or device is not manufactured by the person whose name appears on the label, the name shall be qualified by a phrase which reveals the connection such person has with such drug or device, such as "Manufactured for and Packed by ————," "Distributed by ————," or other similar phrase which expresses the facts.

(b) The statement of the place of business shall include the street address, if any, of such place, unless such street address is shown in a current city directory or telephone directory.

(k) [originally (2)(g)] Where the statement does not express the minimum quantity:—

(1) Variations from the stated weight or measure of a drug shall be permitted when caused by ordinary and customary exposure, after such drug is introduced into interstate commerce, to conditions which normally occur in good distribution practice and which unavoidably result in change of weight or measure.

(2) Variations from the stated weight, measure, or numerical count of a drug or device shall be permitted when caused by unavoidable deviations in weighing, measuring, or counting the contents of individual packages which occur in good packing practice.

But under subdivision (2) of this paragraph variations shall not be permitted to such extent that the average of the quantities in the packages comprising a shipment or other delivery of the drug or device is below the quantity stated and no unreasonable shortage in any package shall be permitted, even though overages in other packages in the same shipment or delivery compensate for such shortage.

(l) The extent of variations from the stated quantity of the contents permissible under paragraphs (j) and (k) of this regulation in the case of each shipment or other delivery shall be determined by the facts in such case.

**Section 502(c)**

(a) A word, statement, or other information required by or under authority of the act to appear on the label may lack that prominence and conspicuousness required by section 502(c) of the act by reason (among other reason) of:—

(1) The failure of such word, statement, or information to appear on the part or panel of the label which is presented or displayed under customary conditions of purchase.

(2) The failure of such word, statement, or information to appear on two or more parts or panels of the label, each of which has sufficient space therefor, and each of which is so designed as to render is likely to be, under customary conditions of purchase, the part or panel displayed.

(3) The failure of the label to extend over the area of the container or package available for such extension, so as to provide sufficient label space for the prominent placing of such word, statement, or information.

(4) Insufficiency of label space (for the prominent placing of such word, statement, or information) resulting from the use of label space for any word, statement, design, or device which is not required by or under authority or the act to appear on the label.

(5) Insufficiency of label space (for the prominent placing of such word, statement, or information) resulting from the use of label space to give materially greater conspicuousness to any other word, statement, or informaiton, or to any design or device.

(6) Smallness or style of type in which such word, statement, or information appears, insufficient background contrast, obscuring designs or vignettes, or crowding with other written, printed, or graphic matter.

(b) No exemption depending on insufficiency of label space, as prescribed in regulations promulgated under section 502 (b) or (c) of the act, shall apply if such insufficiency is caused by:—

(1) The use of label space for any word statement, design, or device which is not required by or under authority of the act to appear on the label.

(2) The use of label space to give greater conspcuousness to any word, statement, or other information than is required by section 502(c) of the act.

(3) The use of label space for any representation in a foreign language.

(c) (1) All words, statements, and other information required by or under authority of the act to appear on the label or labeling shall appear thereon in the English language.

(2) If the label contains any representation in a foreign language, all words, statements, and their information required by or under authority of the act to appear on the label shall appear thereon in the foreign language.

(3) If the labeling contains any representation in a foreign language, all words, statements, and other information required by or under authority of the act to appear on the label or labeling shall appear on the labeling in the foreign language.

**Section 502(b)**

(a) (1) The name of a substance or derivative required by or under authority of section 502 (d) of the act to be borne on the label of a drug shall be the name by which such substance is designated in such section 502(d), or such derivative is designated in regulations promulgated thereunder.

(c) The names, quantities, and percentages of all such substances and derivatives, and the statement "Warning—May be habit forming," shall immediately follow (without intervening written, or graphic matter) the name by which such drug is titled in the part or panel of the label thereof which is presented or displayed under customary conditions of purchase.

**Section 502(e)**

(a) (1) The name of an ingredient, substance, derivative, or preparation required by section 502(e) (2) of the act to be borne on the label of a drug shall be the name thereof which is listed in such section 502(e) (2), or, if not so listed, shall be a specific name and not a collective name. But if an ingredient (which itself contains two or more such ingredients, substances, derivatives, or preparations) complies with the specifications set forth for an article in an official compendium, such ingredient may be designated on the label of such drug by the common or usual name under which such specifications are so set forth.

(c) (2) A statement of the percentage of alcohol shall express the percentage of absolute alcohol at 68 degrees Fahrenheit (20 degrees Centigrade). A statement of the percentage of a substance, derivative, or preparation other than alcohol shall express the percentage by weight; except that, if both the substance, derivative, or preparation and the drug containing it are liquid, the statement may express the percentage by volume at 68 degrees Fahrenheit (20 degrees Centigrade), but in such case the statement shall be so qualified as to show definitely that the percentage is expressed by volume.

(d) in case a statement of the quantity or proportion of a derivative or preparation in a drug is not as informative, to consumers or users of such drug, of the activity or consequences of use thereof as a statement of the quantity or proportion of the substance from which such derivative or preparation is derived or prepared, the quantity or proportion of such substance shall also be stated on the label of such drug.

(f) (1) A drug shall be exempt from the requirements of clause (2) of section 502(e) of the act if all words, statements, and other information required by or under authority of the act to appear on the label of such drug, cannot, because of insufficient label space, be so placed on the label as to comply with the requirements of section 502(e) of the act and regulations promulgated thereunder. But such exemption shall be on the condition that, if the omission from the label of the statement of the quantity of the contents affords sufficient space to state legibly thereon all the information required by such clause (2), such statement of the quantity of the contents shall be omitted as authorized by regulation (m) (1) under section 502(b) of the act, and the information required by such clause (2) shall be so stated as prominently as practicable even though the statement is not of such conspicuousness as to render it likely to be read by the ordinary individual under customary conditions of purchase.

**Section 502 (F)**

(a) [includes original (b)] Directions

—*Continued on page 42*

## *Drug Law Colors Rules Ready Soon*

*OPD Washington Bureau*
*December 29, 1938*

Tentative regulations for certification of coaltar colors for use in foods, drugs and cosmetics are being completed by the Department of Agriculture and will probably be published during the coming week and a date set for a public hearing on them.

Meanwhile chemists of the Food and Drug Administration are continuing preliminary work in preparing methods of testing and detecting samples of dyes submitted by manuiacturers. Samples of some twenty dyes believed to be used to a certain extent have not yet been submitted by producers, and technical data requested by the administration have not yet been submitted with respect to some others; but the work of preparing to certify colors is progressing, and officials express confidence that as soon as the certification regulations are officially promulgated they will be able to begin actual certification of a long list of dyes most commonly used in the trades.

# McKesson & Robbins Assets Are Being Specially Appraised

Proceedings in the Chandler act reorganization of McKesson & Robbins, Inc., will be in the United States District Court for the Southern District of New York. Federal Judge Alfred Coxe has ruled that the local district court is properly in charge of the proceedings, because New York was the principal place of business of McKesson & Robbins during six months prior to December 8, 1938, when the application for reorganization was filed.

Judge Coxe ruled against a petitioning group of creditors and stockholders who sought to have the reorganization proceedings transferred to the Federal court in New Haven, Conn., on the grounds that Bridgeport was the principal place of the corporate business. Judge Coxe also granted leave to the protective committee for bondholders to intervene generally in the reorganization proceedings.

The first hearing in the proceedings will be held at 4:00 p.m. January 31, in room 318 of the United States Court House, Foley square, this city.

## Full Appraisal Authorized

William J. Wardall, sole trustee of McKesson & Robbins, Inc., announced December 28 that the United States District Court has approved appointment of Ford, Bacon & Davis, industrial engineers, as appraisers, and S. D. Leidesdorf & Co., certified public accountants, as auditors to develop a complete picture of the physical and financial assets of the company.

Under direction of J. F. Towers, vice-president of Ford, Bacon & Davis, sixty engineers were sent to the seventy-seven McKesson & Robbins branches and warehouses in order to observe the taking of inventories, to spot check items of stock, and to prepare for their appraisal. It was stipulated that the inventory must start December 31 and it was originally ordered that the work be completed within three days in order that data might be available for the auditors for a financial statement as of the yearend. This deadline was found not to provide sufficient time, and the next day Mr. Wardell said that the inventory work would require at least two weeks in order that even a rough audit might be made.

Mr. Wardell declined to make any statement on the progress of the reorganization until he had inventory data in hand; but, he said:—

The sensational developments in the uncovering of the Coster-Musica activities have naturally colored the public's impression of the whole McKesson & Robbins picture. It is my present belief that this is an injustice to the main body of the company's organization, which includes some 7,500 employees staffed by executives who have established enviable reputations in the drug field during the years that they managed the wholesale drug houses which have since become merged in the present McKesson & Robbins structure.

But we are taking nothing for granted. The two firms engaged for this investigation are experienced in their respective fields, and they have been instructed to make a thorough and exhaustive check on all physical and financial aspects of the situation.

In the meantime I believe that the creditors, stockholders, and employees who are the groups most affected, may well take encouragement from the splendid evidence of confidence and cooperation being shown by the manufacturers who are continuing to distribute their products through the McKesson & Robbins organization, as well

—*Continued on page 41*

# Striking 5 Right Notes...

## ...A White-Lead to Harmonize with every Paint Grinding Requirement

We don't think any one will blame the Dutch Boy for blowing his own horn. After all, he has an important message to paint manufacturers. He is announcing the addition of two new white-leads to the three previously in the line. This means that we are now in a better position than ever before to give the paint manufacturer *exactly* what he wants.

Our white-lead line starts with those two old standbys, Dutch and Carter. Next comes H.T.S. with its increased paint thickening power, tinting strength and hiding power. Finally, there are the new 333 and 111 White-Leads, both having higher paint thickening power, tinting strength and hiding power than any other white-lead on the market. For example, No. 111 rates about twice as high in these qualities as Dutch.

Remember that no matter which one of the five you choose, you can be sure of uniformity. Remember also, that the more white-lead you use the better the paint. Step up the white-lead in your formula—and you automatically step up the quality and durability of your paint.

**NATIONAL LEAD COMPANY**

111 Broadway, New York; 116 Oak St., Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third St., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Co. of Penna., 316 Fourth Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Building, Philadelphia.

# Current Market Quotations

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**When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.**

## A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd....lb. .16 - —
Acetamide, CP, kgs., 1,000-lb. lots, dlvd..lb. .44 - —
tech., kgs., 1,000-lb. lots, dlvd., lb. .39 - —
Acetanilide, tech., bbls.....lb. .22 - —
95% bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs., 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd. .....lb. .06¼- —
tanks, dlvd. .....lb. .04¾- —
Methyl (see M)
Acetophenone, bots. .....lb. 1.30 - 1.45
cns., 25 lbs. .....lb. 1.15 - 1.25
dms., 100 lbs. .....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs. .....lb. 1.02 - —
25 lbs. .....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E of and including Kans., Neb., N.D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.78 - 2.98
50%, bbls. .....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls. .....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls. .....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls .....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls. .....100 lbs. 10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 90.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms. .....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls. .....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls. .....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls. .....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11¼
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .50 - —
boxes, 25 lbs.....lb. .51 - —
kgs, 100 lbs.....lb. .50 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.00 - 3.25
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.35 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., ex whse.....ton.123.00 -128.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP. $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17½- .18
Chinawood oil, dms.....lb. .16 Nom.
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y..lb. .15¼- .17¼
Acid, cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .22 - —
cryst., gran., 10,000-lb. lots, one shipt..lb. .22¼- —
smaller lots.....lb. .23 - —
kegs .....lb. .23½- —
anhyd., gran, dms., 10,000 lbs. 1 shipt..lb. .25 - —
smaller lots .....lb. .25½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls. .....lb. .57 - —
Coconut oil, dist., dms.....lb. .09¼- .09¾
Corn, dist., dms.....lb. .08¼- .08¾
Cottonseed oil, dist., dms....lb. .06¾- .07¼
tanks .....lb. .06¼- —
Cresylic, high-boil, special resin grade, dom., c.l., works, frt. equaled.....gal. .63 - —
l.c.l., same basis.....lb. .64 - —
other grades, dom., c.l., frt. equaled..gal. .58 - —
l.c.l., same basis.....gal. .59 - —
low-boil, dms., c.l., works frt. equaled..gal. .69 - —
l.c.l., same basis.....lb. .71 - —
imported, pale, dms., l.c.l.gal. .62 - .66
dark, dms., l.c.l.....gal. .61 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital))
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10¼- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1340
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .75
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
5lb. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Glucouic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls. .....lb. .45 - —
Hempseed oil, dms.....lb. .1180- .1230
Hydriodic, 47%, bots.....lb. 2.80 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys. .....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....160 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade .....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85% cbys.....lb. .43 - .45
USP VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .11¾- .12¼
Laurent's, bbls.....lb. .45 - —
Levulinic, 51b. bots., works.lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1100- .1160
extra white, dist., dms....lb. .12½- .13
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
Acid, muriatic, C.P., USP, dealers, cbys..lb. .06½- —
6-lb. bots.....lb. .10¾ -
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¾
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l. .....lb. .09 - -
240-280 dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .08 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.90 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works. 100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.96 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11¾- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .06¼- .06¾
tanks .....lb. .05¾- —
Perilla, dist., dms.....lb. .14 - .14¼
Phenylacetic, bots. .....lb. 1.75 - 2.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys. .....lb. .07¼- —
USP, 85%, a. g., 1,710, cbys., 180 lbs..lb. .12 - —
50% a. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 35 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07¼
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.65
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .36 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .32 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices.
tech., bbls., works.....lb. No prices.
Soybean oil, dist., dms.....lb. .09 - .09½
Stearic, distil., double pressed, bgs., dlvd..lb. .10 - .11
single pressed, bgs., dlvd..lb. .09½- .10½
triple pressed, bgs., dlvd..lb. .12¾- .13¾
saponif., double pressed, bgs., dlvd..lb. .10¼- .11¼
triple pressed, bgs., dlvd..lb. .13 - .14
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works..lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works. 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works. 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys., 9-lb. bots. .....lb. .06½- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .13 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.-100-lb. lots .....lb. .90 - —
25-lb. lots .....lb. .98 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots .....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .27¼- —
smaller quantities .....lb. .27¾- —
kgs. .....lb. .28¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. 2.00 - 2.25
tech., kgs., works.....lb. 1.65 - 1.75
Aconite, leaves, bls.....lb. .25 - .26
Root, bls. .....lb. .28 - .30
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots. .....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms.....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. .90 - .97
3, bls.....lb. .63 - .65
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flaks, bgs., f.o.b. Chicago, frt. alld....lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis, lb. .18 - —

## Acacia—Aloe

Albumen, blood, light, dom., flake, dms., f.o.b. Chicago, frt alld...lb. .52 - .60
import, bgs.....lb. .52 - .60
Egg, ed., dom., cryst., bbls., lb. .73 - .77
dom., pwd., dms., bbls., lb. .80 - .82
import, cs.....lb. .75 - —
Alcohol, amyl (see also Fusel oil, c.l., frt. alld..lb. .116 - —
l.c.l., frt. alld.....lb. .126 - —
tanks, frt. alld.....lb. .106 - —
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —
butyl, normal, dms., c.l., frt. alld..lb. .09¼- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .09½- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07¼- —
tanks, same terms.....lb. .06 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100 lb. dms...lb. .85 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb 4c
Cinnamic, bots.....lb. 2.00 - 2.20
Denatured, CD14, dms., c.l., works, E..gal. .32 - —
l.c.l., works, dms.....gal. .34 - —
tanks, E., works.....gal. .24 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .29 - —
19 bbls., E. works...gal. .31 - —
gal. .34 - —
1 to 18 bbls., E. works. gal. .34 - —
dms., c.l., E. works....gal. .28 - —
19 dms., E. works...gal. .30 - —
1 to 18 dms., E. works, gal. .33 - —
tanks, E. works.....gal. .22 - —
Anhydrous, 5c. per gal. higher.
SD-2B., dms., c.l., works., E. gal. .27 - —
19 dms., works, E....gal. .29 - —
1 to 18 dms., works, E. gal. .32 - —
tanks, E., works.....gal. .21 - —
SD23-G, works, E., dms.gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E., works..gal. .29 - —
20 dms., E. works...gal. .31 - —
1 to 19 dms., E. works, gal. .34 - —
tanks, E. works.....gal. .23 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
tech., contract, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, dlvd.....lb. .09½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.55½- —
19 bbls.....gal. 4.67½- —
1 to 18 bbls.....gal. 4.60½- —
dms., c.l.....gal. 4.54½- —
19 dms.....gal. 4.56½- —
1 to 18 dms.....gal. 4.59½- —
tanks .....gal. 4.48½- —
absolute, dms., c.l.....gal. 4.87 - —
19 dms.....gal. 4.89 - —
1 to 18 dms.....gal. 4.92 - —
Grain alcohol 25c. per gal. higher.
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Isopropyl, refd., 91%, dms., c.l., f.o.b. dest..gal. .33½- —
l.c.l., same basis.....gal. .33½- —
tanks, same basis.....gal. .30½- —
99%, dms., c.l., same terms, gal. .36 - —
l.c.l., same terms....gal. .41 - —
tanks, same terms.....gal. .31 - —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 3.25
Propyl (see Isopropyl)
Propyl, normal, dms., works, gal. .70 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .73
Aldehyde bisulphite bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., dlvd...lb. .20 - —
5 and 10 gal. dms., dlvd...lb. .22 - —
Aletris root, bgs.....lb. .40 - .45
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .11 - .13
Aloe, Barbados, true, cs.....lb. .35 - .60
Cape, cs.....lb. .20 - .22
Curacao, cs.....lb. .42 - .45
gourds, bbls.....lb. .50 - .55
Socotrine, kgs.....lb. .45 - .50

## Aloin—Black, Ivory

Aloin, 140-lb. bbls.....lb. 2.65 - 2.80
100-lb. kgs.....lb. 2.67 - 2.82
25-lb. fib. dms.....lb. 2.74 - 2.89
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bbls....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - —
dlvd. N.Y. Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - —
dlvd., N.Y., Phila...100 lbs. 3.40 - —
powds., bbls., works...100 lbs. 3.55 - —
dlvd. N. Y., Phila..100 lbs. 3.60 - —
powd., bbls., works...100 lbs. 3.55 - —
dlvd., N. Y., Phila...100 lbs. 3.55 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) dlvd. N.Y. prices apply to truck or ex warehouse.
add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point;
Potash, gran., bbls., works.. 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila...100 lbs. 3.65 - —
powd., bbls., works...100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila..100 lbs. 3.80 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.35 - 5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
18%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs, works..lb. .07 - —
1,100 to 11,000 lbs., works. lb. .08 - —
140 to 875 lbs., works.lb. .09 - —
100 lbs., or less, works.lb. .10 - —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., dms., works.....lb. .06¼- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls.....lb. .03¼- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16½- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .22 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equals. 100 lbs. 1.35 - —
l.c.l., works, frt. equald. 100 lbs. 1.60 - —
Iron-free, bgs., c.l., works... 100 lbs. 1.30 - —
l.c.l., works....100 lbs. 1.55 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., works.....100 lbs. 1.75 - —
Aluminum, 98-99%, c. l.....lb. .20 - —
l.c.l. .....lb. .21 - —
Paste, lining, extra fine, dms., 1,500 lbs..lb. .65 - —
ink, dms., 1,500 lbs....lb. .75 - —
standard, dms., 1,500 lbs..lb. .43 - —
Powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms.. 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .42 - —
Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for400-1,500 lbs., for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ¼ lbs.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 -36.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works.. lb. .05 - —
pure, cyls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05 - —
dms., c.l. .....lb. .02 - —
l.c.l. .....lb. .02¼- —
tanks (on $NH_3$ content), f.o.b. S. Chicago or Detroit. lb. .04 - —
grade B (ammonia liquor) tanks (on $NH_3$ content), f.o.b. Chicago or Detroit..lb. .03¾- —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., c.l., works.. 100 lbs. 5.15 - —
l.c.l., dlvd N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Ammonia, borate, bbls., kgs...lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, caks. .....lb. .08 - .12½
USP, lump, dms.....lb. .06 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .13
100 lb kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
ozs. .....lb. .35 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, fib., dms.....lb. 1.10 - 1.17
Jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.52 - —
jars .....lb. 3.45 - —
Laurate, bbls .....lb. .24 - —
Linoleate, 80%, anhyd., bbls. lb. .13 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthanate, bbls. .....lb. .18 - —
Nitrate, tech., bgs., c.l., works. 100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms. .....lb. .15 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bbls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade). 11% N 48% phosbulk, f.o.b. E. works unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
(tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .16 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.30
Silicofluoride, imp., 350-lb. bbls., f.o.b. N. Y..lb. .09 - —
5 bbls., same basis.....lb. .08½- —
Stearate, anhydrous .....lb. .23 - —
paste .....lb. .08 - —
Sulphate, dom., bulk, c.l., f.o.b. Jan.-June, 1939 shipt., ton. 28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.
Sulphide, liquid, 35-45%, basis 100%, dms., works..lb. .12 - .13
tanks, delvd. .....lb. .11 - —
Sulphocyanide, pure, 96-100%, kgs..lb. .55 - .75
Ammoniac, gum (see Gum, ammoniac).
Gas, gray, dom., obls . . 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, caks. .....100 lbs. 4.90 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., dlvd..lb. .10¼- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09¼- —
cns., works.....lb. .15 - .17
ex pentane, dms., frt. alld.lb. .11 - —
l.c.l., frt., alld.....lb. .12 - —
tanks, frt., alld.....lb. .10 - —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.75
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works. lb. 1.10 - —
Oleate, dms., l.c.l., works...lb 25 - —
Salicylate, bots., 5 lbs.....lb 61 - —
cns., 25 lbs.....lb 51 - —
Stearate, dms., l.c.l., works lb 26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .18 - .20
import, natural, bls.....lb. .20 - .22
twisted, bls. .....lb. .29 - .30
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. -14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .16 - .16½
Star, bgs.....lb. .15 - .16
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Anisette paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07½- .08
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb 65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot .....lb. .11¾- —
Needle, powd., ton lots, bulk, lb. .12½- —
bbls. .....lb. .13½- —
Oxide, bbls., c.l.....lb. .11½- —
l.c.l. .....lb. .12½- —
Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c..lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%. 100 kgm., purity, 100 kilos. 32.00 -34.00
Arnica flowers, bls.....lb. .30 - .31
Root, bls. .....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08 - .08½
bbls. .....lb. .08½- .09
Arsenic, metal, lump, cs.....lb. .40 - .41
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.35 - —
jars .....lb. 5.20 - —
Red, import, cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs. .....lb. .23 - .24
powd., bbls., bxs.....lb. .37 - .38
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 -
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
Asbestos fiber, 7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y. lb. .08½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 30.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 31.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.95
cns. .....oz. 2.75 - 2.80

## B

Balm of Gilead buds, bgs.....lb. .20 - .21
Barberry bark, bgs.....lb. .19 - .20
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%-96%, grd., bgs., c.l., works, ton. 41.00 -43.00
99% thru, 200, mesh bgs., c.l., works..ton. 43.00 -45.00
precip., bgs., c.l., works..ton. 52.50 - —
bbls., works.....ton. 57.50 - —
l.c.l., bgs., works.....ton. 57.50 - —
bbls., works.....ton. 62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton. 57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis. ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla..ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
Zone 2, bbls., l.c.l., bgs., same basis..ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
bbls., l.c.l., same basis, ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12½
Fluosilicate, bbls.....lb. .11½- .12½
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05¼
Iodide, bots.....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks.....lb. .06¾- .07¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 36.00 - —
Chicago .....ton. 31.15 - —
Cleveland .....ton. 33.50 - —
New York.....ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.85 - —
l.c.l., ex car, Baltimore, ton. 30.70 - —
Boston .....ton. 31.70 - —
Philadelphia .....ton. 30.50 - —
ex whse., Baltimore. ton. 32.10 - —
Boston .....ton. 35.20 - —
Chicago .....ton. 30.35 - —
Cleveland .....ton. 33.00 - —
Detroit .....ton. 33.00 - —
Kansas City .....ton. 30.93 - —
Los Angeles .....ton. 42.00 - —
New York .....ton. 31.50 - —
Philadelphia .....ton. 31.90 - —
San Francisco.....ton. 42.00 - —
Toronto .....ton. 39.50 - —
Southern off color, bulk, mines. ton. 12.00 - —
95.75%, bulk, mines....ton. 16.00 - —
ora, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. 25.00 -26.00
l.c.l., ex whse.....ton. 30.00 - —
ungrd., bulk, c.l., ex dock, ton. 13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex whse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .82½- .90
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .12½- .14
Root, bls.....lb. .13 - .15
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
tankcars, W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans. lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 3.00
Berberine bisulphate, cns.....lb. 16.75 - —
Hydrochloride, cns. .....lb. 16.75 - —
Sulphate, cns. .....lb. 16.75 - —
Berberis root, bls.....lb. .14 - .15
Betanaphthol, subim., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs. lb. .51 - —
Beth root, bls.....lb. .10 - .17
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs. .....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib., dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.62 - 1.88
fib. dms.....lb. 1.53 - 1.56
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.67 - 1.98
fib. dms.....lb. 1.58 - 1.61
Subiodide, cns.....lb. 3.91 - —
fib., dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.42 - 1.68
fib. dms.....lb. 1.33 - 1.36
Subsalicylate, 62-66%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 -
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
2, bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l. frt. alld. E.. .lb. .11 - —
3, bbls., bgs., l., frt. alld. E. lb. .09½- —
l.c.l. frt. alld E .. lb. 10 -
4, bbls., c.l., frt. alld. E...lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 -
5, bbls., bgs., c.l., frt. alld. E..lb. .07¼- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., c.l., frt. alld. E...lb. .05½- —
l.c.l., frt. alld. E...lb. .06 - —
7, bbls., bgs., c.l., frt. alld E. lb. .09 - —
l.c.l., frt. alld. E.....lb. .09¼- —
8, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10¼- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l, dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd. .....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0319- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States.lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)....lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —
export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05½ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35

Black, lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b., N.Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls, c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6 bbls., c.l., f.o.b. N.Y....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine. A. bbls., works or N. Y., lb. .04½- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black Haw, root bark, bls....lb. .21 - .22
Tree bark, bls.....lb. .15 - .16
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.25 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.50 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 2.95 - —
soluble (see Albumen, blood)
Bloodroot, bls. .....lb. .11½- .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.00 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
soluble, bbls., same basis alkali toner, contracts, lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 2.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls. same basis.....lb. .15 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .22 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis..lb. .24 - —
C, bbls., same basis..lb. .23 - —
D, bbls., same basis..lb. .22 - —
7, A, bbls., same basis..lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis. lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls, same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.65 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs..lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.50 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.65 - —
6-15 bbls., same basis. 100 lbs. 4.75 - —
1-5 bbls., same basis..... 100 lbs. 5.00 - —
Monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 9.00 - 9.25
l.c.l. dealers.....100 lbs.10.00 -10.25
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -29.00
c.i.f. Atlantic ports.....ton.27.00 - —
import, bgs., c.i.f., ports.ton.26.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.24.00 -26.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.22.50 - —
phosphate, precip., see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon. 60% phos., bgs., f.o.b. Chicago..ton.19.00 -21.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.20.75 - —
Boneset leaves, bales.....lb. .07 - .08
Borage flowers, bls. .....lb. 90 - 91

Borax, tech., 99¼%, cryst., bbls., contracts, 80 tons min., dlvd..tons.58.00 - —
l.c.l., ex whse.....ton.67.00 -73.00
sks., contracts, 80 tons min., dlvd..tons.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min. dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.56.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
Borax, tech., 99½%, powd., sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brasilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .80 - —
single pkg., same basis.lb. .85 - —
Bromoform, USP. bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 2.25 - 2.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .10 - .11
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02½- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12½- —
Group 2, bbls., same basis, lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09½- —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis..lb. .06½- —
11, bbls., same basis..lb. .06½- —
12, bbls., same basis..lb. .06½- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
raw, American, bbls., works, lb. .02½- —
Italian, Group 1, bbls., f.o.b., N. Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10½- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .08½- —
6, bbls., same basis...lb. .07½- —
7, bbls., same basis...lb. .07½- —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .06½- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works, lb. .02½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y..lb. .04 - —
St. Louis.....lb. .04½- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04½- —
ex whse., Boston....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04½- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04½- —
Minneapolis .....lb. .0450- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05½- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .34 - .35
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs. .....lb. .17 - .18
Burdock root, bls. .....lb. .10 - .10½
Burgundy pitch, dom., bbls...lb. .03½- .03¾
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .09½- —
l.c.l., contract, frt.alld..lb. .10 - —
tanks, contract, frt. alld..lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .33 - —
5 & 10 gal. dms., dlvd....lb. .36 - —
Ether (see under Ether).
Lactate, dms. .....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms. .....lb. .26 - —
Butyric ether, bots.....gal. 6.00 - 6.25
cns., works .....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

# C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.61 - —
single jars.....lb. 1.66 - —
5-lb. bots.....lb. 1.80 - —
Iodide, 5-lb. bots.....lb. 4.01 - —
25-lb. cns.....lb. 3.87 - —
Lithopone (see Yellow)
Metal, cs.....lb. .85 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
5-lb. cns., 25 lbs., or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .30
Calamus root, bleached, cs....lb. .40 - .41
peeled, bls.....lb. .13 - .14
Calcium acetate, bgs., dlvd. 100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms.. lb. .06¼- .06¾
Southern cotton states, bgs., fo. .06¾- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 Nom.
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-80%, bgs., dms., c.l., dlvd..ton.22.00 -25.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.70 - 2.25
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -23.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns. .....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P., bbls., 200 lbs.lb. .23 - —
Levulinate, bots., less than 25 lbs., works..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessel, No. Atlantic ports, or f.o.b. cars, So. Atlantic ports ton.28.00 -
Palmitate, bbls. .....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% $P_2O_5$, bgs., c.i.f. Atlantic ports, shipt..unit-ton. .80 - —
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., ctns c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum)
Sulphide, 70%, CaS, bgs., c.l., wks..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom. tins works 100 lbs..lb. .85 - —
Sulphocarbolate, bbls., 200 lbs.lb. .40 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .30 - .35
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.36 - —
Camphor, natural, powd., cs...lb. .50 - .51
slabs, cs.....lb. .50 - .51
tablets, tins.....lb. .56 - .57
synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots lb. .46 - —
1,000-lb. lots.....lb. .47 - —
500-lb. lots.....lb. .48 - —
100-lb. lots.....lb. .49 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs..lb. .0390- .0410
Morocco, bgs.....lb. .0425- .0450
Turkish, bgs.....lb. .0390- .0415
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .80 - .85
Russian, cs.....lb. .92 - .93
powd., bxs. .....lb. 1.10 - 1.15
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .09 - .09½
Carbazole, 90%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
96%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .80 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .80 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .80 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .83 - —
l.c.l., works.....lb. .84 - —
tanks, works.....lb. .82 - —
Methylpropyl, dms., works..lb. .80 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .80 - —
small lots, works.....lb. .75 - —
Carbon disulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05½- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½ gal. dms., c.l..gal. .66½- —
l.c.l. .....gal. .73 - —
5-10 gal., dms., c.l.....gal. .90 - —
l.c.l. .....gal. 1.00 - —
Zone 2, 52½ gal. dms., c.l., gal. .73 - —
l.c.l. .....gal. .80 - —
5-10 gal. dms., c.l.....gal. .97 - —
l.c.l. .....gal. 1.07 - —
Zone, 3, 52½ gal. dms., c.l., gal. .80 - —
l.c.l. .....gal. .86 - —
5-10 gal. dms., c.l.....gal. 1.03 - —
l.c.l. .....gal. 1.13 - —
Zone 4, 52½ gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5-10 gal. dms., c.l.....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
tanks .....lb. .04¾- —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. cars, L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2, includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3, includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M., and Texas. Zone 4, includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.00 - 1.50
decorticated, cs.....lb. .80 - .82
green, bgs.....lb. .51 - .52
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .11 - .12

## Black, Lamp—Cinchonine

Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .08½- .09
5 tons, works.....lb. .10 - —
smaller lots, works.....lb. .11 - —
80-100 mesh, bgs., c.l., dlvd., lb. .09 - .09½
5 tons, works.....lb. .10½- —
smaller lots, works.....lb. .11½- —
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .09½- —
80-100 mesh, bgs., c.l., duty paid..lb. .10 - —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom
Cassia, Batavia, 1, bgs.....lb. .15 - .15½
broken, bls.....lb. .09½- .10
shortstick, bls.....lb. .11½- .11¾
China, rolls, select, bls.....lb. .13¾- .14½
broken, extra, bls.....lb. .08½- .09¾
Saigon, bls.....lb. .14½- .15
Cassia, buds, cs.....lb. .15 - .16
Cassia fistula, baktis.....lb. .08 - .09
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.18.50 - —
import, bgs., c.i.f., ports, shipment..ton.20.00 - —
Catnep leaves, bls.....lb. .17 - .18
Celery seed, French, bgs.....lb. .13¼- .13½
Indian, bgs.....lb. .11¼- .11¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .36 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Acetopropionate, 500 lbs. and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Triacetate, frt. alld.....lb. .42 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03½- —
Chamomile flowers, Hungarian, genuine, cs..lb. .21 - .26
Roman, bls.....lb. .28 - .32
Charcoal, softwood, powd., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.35.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex., ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02½- —
tanks, wks.....lb. .01½- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto, Boston, Norfolk, Phila..ton.22.00 -25.00
powd., cks., l.c.l., ex dock. ton.35.00 - —
ex whse. .....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorinated rubber, bgs., c.l. (30,- 000 lbs. min.) works.....lb. .35 - —
2,000 lbs., works.....lb. .37 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N.Y...lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equalled..100 lbs. 2.00 - —
multiple unit, 3 or over, wks., frt. equald., 100 lbs. 2.15 - —
2, works, frt. equaled..100 lbs. 2.40 - —
1, works, frt. equaled..100 lbs. 2.85 - —
Chloracetophenone, tins, works..lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .22 - —
USP, 650-lb. dms.....lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
Chloropicrin, coml, 100-lb. cyls., works..lb. .25 - —
5-lb. cycls., same basis..lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .12 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs. bbls.....lb. .05 - .06
Chrome, cake, bulk, c.l., works, ton.14.00 -15.00
Chrome green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms..100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.30
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .39
quills, broken, bgs.....lb. .17 - .19
long, cs. .....lb. .45 - .50
short, bgs. .....lb. .40 - .45
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .82 - —
large, cns.....100 ozs. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .84 - —

## Cinchophen—Ethyleneglycol

Cinchophen, USP, boxes, 5 lbs., lb. 2.75 - —
bots., 1 lb. lb. 3.27 - —
dms., 100 lbs. lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys. lb. .85 - .90
Cinnamon, Ceylon, 2 bls. lb. .15½- .15¾
3 bls. lb. .14¾- .15¼
Citral, bots., cns. lb. 1.40 - 3.10
Citrine ointment, jars, tubes. lb. .75 - —
Citronellal, bots., dms. lb. .75 - .80
Citronellol, bots., dms. lb. 1.60 - 1.65
Clove, Madagascar, bls. lb. .17 - .17½
Zanzibar, bls. lb. .18 Nom.
Clover tops, bgs. lb. .12 - .15
Coaltar, coal-gas, crude, bbls., c.l., works. bbl. 7.50 - 7.75
l.c.l., works. bbl. 8.25 - 8.50
tanks, works. gal. .07½- .09
Coaltar, refd., bbls., c.l., works. bbl. 8.00- 8.25
l.c.l., works. bbl. 8.75 - 9.00
tanks, works. gal. .08¼- .10
water-gas, crude, dms., c.l., works. dm. 7.50 - —
l.c.l., works. dm. 8.25 - —
refd., dms., c.l., works. dm. 8.00 - —
l.c.l., works. dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .95 - .97
Carbonate, tech., bbls., dlvd. lb. 1.03 - —
Chloride, dms., works. lb. 1.06 - 1.18
Hydrate, bbls. lb. 1.78 - —
Linoleate, paste, 6%, dms. lb. .21 - —
solid, 8½%, bbls. lb. .53 - —
Oleate, bbls. lb. .35 Nom.
Oxide, black, kgs. lb. 1.67 - —
Resinate, fused, A, bbls. lb. .13½- —
1%, bbls. lb. .13 - —
2%, bbls. lb. .14 - —
3½%, bbls. lb. .17½- —
precip., dms., dlvd. lb. .34 - —
Sulphate, dms. lb. .32 - —
Cocaine hydrochloride, 100 ozs., cns. oz. 9.75 - —
Cochineal, gray, bgs. lb. .85 - .90
Teneriffe, silver, bgs. lb. .88 - .89
Cocillana bark, bgs. lb. .15 - .16
Cocoa butter, lump, bgs., c.l. lb. .11¾- .12
Codeine, cns., 100 ozs. oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.50 - —
Phosphate, cns., 100 ozs. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .08 - .09
Blue, root, bls. lb. .07 - .07½
Colchicine, bots., 4 ozs. oz. 20.00 - —
single ozs. oz. 21.00 - —
Colchicum seed, bgs. lb. .24 - .25
Collodion, USP, dms., 325 lbs. lb. .13½- —
cns., 25 lbs. lb. .16 - —
Flexible, USP, dms., 325 lbs. lb. .14½- —
cns., 25 lbs. lb. .18 - —
Colocynth pulp, bls. lb. .25 - .30
Colombo root, bls. lb. .07½- .08
Coltsfoot leaves, bgs. lb. .06 - .09
Condurango bark, bgs. lb. .06 - .09
Conium leaves, bls. lb. .17 - .18
Copaiba balsam, Para, cns. lb. .22½- .23
S.A., USP, cns. lb. .23½- .24
Copper acetate, normal, bbls., dlvd. lb. .21 - —
smaller containers, dlvd. lb. .23 - —
Carbonate, 52-54 pc., bbls. lb. .14½- .15½
20%, bbls. lb. .10½- .11½
Chloride, cryst., bbls. lb. .13 - .14
Cyanide, tech., bbls. lb. .24 - —
Iodide, bots. lb. 4.97 - 5.02
Metal, electrolytic. lb. .11¾- —
Nitrate, cryst., bbls. lb. .1660- .1740
Oleate, precip., bbls. lb. .20 - —
Oxide, black, bbls., tons, works. lb. .16¾- .17¾
red, com'l, 50-75%, kgs., f.o.b. N. Y. lb. .16¾- .17¾
Resinate, precip., bbls. lb. .15 - .16
Stearate, precip., bbls. lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works. ton. 17.00 - —
bbls., c.l., works. ton. 19.00 - —
bbls., l.c.l., 25 or over, works. 100 lbs. 1.45 - —
5-24, works. 100 lbs. 1.55 - —
1-4, works. 100 lbs. 2.00 - —
bulk, c.l., works. ton. 14.00 - —
Copra, Coast, shipt. lb. .0170 Nom.
Coriander seed, Morocco, bgs. lb. .0435- .0460
bleached, bgs. lb. .07¾- .08
Corn sugar, tanners, bbls., c.l., dlvd. 100 lbs. 3.05 - 3.13
ex whse. 100 lbs. 3.15 - 3.23
Syrup, 42°, bbls., c.l. 100 lbs. 3.12 - —
43°, bbls., c.l. 100 lbs. 3.17 - —
Cornsilk, bls. lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs., or more. lb. 1.20 - —
gran., powd., dms., 50 lbs. or more. lb. 1.05 - —
Cottonroot bark, bls. lb. .11 - .12
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd. unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns. lb. 2.75 - 3.00
5-lb. cns. lb. 2.85 - 3.10
1-lb. cns. lb. 3.00 - 3.25
1-oz. cns. lb. 3.35 - 3.60
less than 5 lbs., cns. lb. 4.15 - 4.65
Cramp, bark, genuine, bls. lb. .20 - .22
so-called, bls. lb. .07 - .08
Cranesbill root, bls. lb. .14 - .15
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .22¾- —
smaller lots, bbls. lb. .23¼- —
kgs. lb. .23¾- —
Creosote beechwood, bots. lb. .70 - .75
Hardwood, USP, bots. lb. .45 - .47
Pine, dms. gal. .28 - —
Carbonate, bots., cbys. lb. 1.40 - 1.75
Oil, crude, tanks, works. gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works, gal. .25 - —
tanks, works. gal. .18 - .18½
Cresol, USP, dms., c.l., works. lb. .10 - —
l.c.l., same basis. lb. .10½- —
special resin grade, dms., c.l., works. lb. .09 - —
l.c.l., same basis. lb. .09½- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd. lb. .22 - —
5 and 10 gal. dms., dlvd. lb. .25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more. lb. .24 - .25
2,000 lbs. to 10,000 lbs. lb. .25 - .26
1,000 lbs. to 2,000 lbs. lb. .26 - .27
200 lbs. to 1,000 lbs. lb. .27 - .28
4% rotenone prices are 4c. per lb. less.
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs. lb. .28 - .30
powd., cs. lb. .30 - .31
Culver's root, bls. lb. .16 - .17
Cumin seed, Algerian, bgs. lb. .08 - .08½
Morocco, bgs. lb. No stocks.
Culver's root, bls. lb. .13 - .14
Cutch, Philippine, extract, solid bags. lb. .04¼- .04½
Cyanamid, 21-22% N., pulv., bgs., dlvd., contrs., $NH_3$ unit. lb. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms. lb. .10¾- —
lump, dms. lb. .09¾- —
75%, gran., dms. lb. .15 - —

## D

Damiana leaves, bls. lb. .14 - .15
Dandelion root, German, bls. lb. .13 - .14
Deertongue leaves, bls. lb. .10 - .11
Degras, common, dom., bbls. lb. .07¾- .08¼
English, bbls. lb. .07¾- .08¼
neutral, dom., bbls. lb. .11 - .15
English, bbls. lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more. lb. .24 - .28
2,000 lbs., to 10,000 lbs. lb. .26 - .30
1,000 lbs. to 2,000 lbs. lb. .28 - .32
200 lbs. to 1,000 lbs. lb. .30 - .34
4% rotenone prices are 6c. per lb. less.
Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Derris, resinate, 75% rotenone, cns. lb. 10.00 -11.00
30% rotenone, cns. lb. 5.50 - 6.50
25% rotenone, bulk, cns. lb. 3.60 - 4.00
15% rotenone, bulk, cns. lb. 2.10 - 4.25
Devil's club, root bark. lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago. 100 lbs. 3.65 - —
l.c.l., f.o.b. Chicago. 100 lbs. 3.85 - —
Corn, canary, bgs., c.l., f.o.b. Chicago. 100 lbs. 3.40 - —
l.c.l., f.o.b. Chicago. 100 lbs. 3.60 - —
white, bgs., c.l., f.o.b. Chicago. 100 lbs. 3.35 - —
l.c.l., f.o.b. Chicago. 100 lbs. 3.55 - —
Potato, import, bgs. lb. .07¼- .08
Diacetone (see under Alcohol).
Diamyl ether, dms., c.l., works, lb. .065 - —
l.c.l., works. lb. .092 - —
tanks, works. lb. .075 - —
Oxalate, dms., l.c.l., works. lb. .30 - —
Phthalate, dms., c.l., dlvd. lb. .19 - —
l.c.l., dlvd. lb. .19¼- —
tanks, dlvd. lb. .15 - —
Sulphide, dms., l.c.l., works. lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works. lb. .50 - —
Diamylene, dms., c.l., works. lb. .095 - —
l.c.l., works. lb. .102 - —
tanks, works. lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works. lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works. lb. .17 - —
l.c.l. lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton. 22.00 -85.00
l.c.l., ex whse. ton. 45.00 -150.00
import, bgs., c.l., c.i.f. ton. 30.00 - —
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. lb. .53 - —
Dibutyl ether (see Ether, butyl).
Dibutyl phthalate, dms., c.l., dlvd. lb. .19 - —
l.c.l., dlvd. lb. .19½- —
tanks, dlvd. lb. .16 - —
cns., works. lb. .23½- .25½
Sebacate, dms., wks. lb. .45 - —
Tartrate, dom., dms. lb. .50 - —
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works. lb. .15 - —
l.c.l., works lb. .16 - —
tanks, works lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0321- —
l.c.l. lb. .04 - —
tanks lb. .025 - —
Diethanolamine, dms., c.l., works. lb. .24 - —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Diethyl carbonate, coml., dms. lb. .25 - —
refd., 99%, dms. lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. lb. .19½- —
tanks lb. .18 - —
Sulphate, dms., c.l., works. lb. .13 - —
l.c.l., works lb. .14 - —
tanks lb. .13 - —
Diethylanilin, dms. lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works lb. .17 - —
Monobutylether, dms., works. lb. .23 - .24
Diethylene glycol monoethylether, dms., c.l., works. lb. .15 - —
l.c.l., works lb. .16 - —
tanks, works lb. .14 - —
Digitalis leaves, dms. lb. .28 - .30
Diglycol laurate. lb. .23 - —
Oleate, light, bbls. lb. .21 - —
Stearate lb. .23 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs. lb. .09 - .09½
Dimethyl phthalate, dms., c.l., dlvd. lb. .18¼- —
l.c.l., dlvd. lb. .19 - —
tanks, dlvd. lb. .17½- —
Dimethylamine, dms., c.l., dlvd. lb. 1.00 - —
l.c.l., dlvd. lb. 1.05 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l., dms. lb. .24 - —
Dimethylethyl carbinol (see Carbonol).
Dinitrobenzene, bbls, 99° min., lb. .18 - —
Dinitrochlorobenzene, dms. lb. .14 - —
Dinitronaphthalene, kgs. lb. .25 - .30
Dinitrophenol, bbls. lb. .22 - —
Dinitrotoluene, dms. lb. .15½- —
oily, dms. lb. .09 - —
Diorthotoluolguanidine, dms., 2,000 lbs. or over, dlvd. lb. .44 - —
600-1,950 lbs., dlvd. lb. .46 - —
150-450 lbs., dlvd. lb. .47 - —
Dioxan, dms., c.l., frt. alld. lb. .20 - —
l.c.l., same basis. lb. .21 - —
tanks, same basis. lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms. gal. .47 - .50
tanks gal. .41 - —
Diphenyl, bbls., c.l., works. lb. .15 - —
l.c.l., works. lb. .16 - .20
Oxide, perfume grade, cns. lb. .50 - .55
Diphenylamine, bbls. lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd. lb. .35 - —
600-1,950 lbs., dlvd. lb. .36 - —
150-450 lbs., dlvd. lb. .37 - —
Diphenylmethane, bots. lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls. lb. .06¾- .08¾
Doggrass root, cut, bls. lb. .11 - .12
Dogwood, bark, Jamaica, bls., lb. .06 - .07
Dover's powder, USP, cns. lb. 2.75 - 2.80
Dragon's blood, mass, cs. lb. .65 - .85
reeds, thin, cs. lb. .80 - .85
Dubolsine sulphate, vis. oz. 84.50 -85.00

Dyes, coaltar, for coloring foods (certified colors) (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans. lb. 13.50- —
1180 Sodium indigo disulphonate, cns. lb. 13.50- —
Green:—
Fastgreen FCF, cns. lb. 27.50- —
666 Guinea green B., cns. lb. 13.50- —
670 Light green SF, yellowish, cns. lb. 17.50- —
Red:—
184 Amaranth, cns. lb. 8.15- —
773 Erythrosin, cns. lb. 17.50- —
80 Ponceau 3R, cns. lb. 6.00- —
Ponceau 3X, cns. lb. 5.75- —
Orange:—
150 Orange I, cns. lb. 2.90- —
Yellow:—
10 Naphthol yellow S, cns. lb. 8.50- —
Sunset yellow FCF, cns. lb. 8.15- —
640 Tartrazin, cns. lb. 8.15- —
22 Yellow AB, cns. lb. 2.65- —
61 Yellow OB, cns. lb. 2.65- —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G. lb. .65 - .70
40 Chrome yellow R. lb. .50 - 1.00
53 Victoria violet. lb. .90 - 1.00
165 Lake red C. lb. .95 - 1.00
176 Fast red A. lb. .60 - .75
180 Fast red VB. lb. 1.50 - 1.65
189 Lake red R, paste. lb. .85 - .90
189 Lake red R, powdered. lb. 3.00 - 3.10
202 Chrome blue black U. lb. .32 - .40
204 Chrome black A. lb. 1.75 - 2.00
206 Fast red blue R. lb. .75 - 2.00
216 Chrome red B. lb. 1.75 - 2.00
262 Cloth red 2B. lb. .60 - .80
269 Fast cyanin 5R. lb. .90 - 1.00
299 Chrome black F. lb. .60 - .65
307 Fast cyanin black B. lb. .80 - .85
326 Direct cast scarlet. lb. 2.00 - 2.25
304 Paper yellow. lb. .83 - .90
365 Chrysophenin G. lb. .58 - .70
394 Direct violet N. lb. 1.25 - 1.30
382 Direct scarlet B. lb. 1.50 - 1.75
387 Direct violet B. lb. 1.00 - 1.30
401 Developed black BHN. lb. .50 - .75
406 Direct blue 2B. lb. .25 - .30
415 Direct orange R. lb. .60 - .70
419 Direct fast red F. lb. .75 - .80
420 Direct brown M. lb. 1.00 - 1.10
448 Benzo purpurin 4B. lb. .40 - .42½
495 Benzo purpurin 10B. lb. .40 - .50
502 Direct azurin G. lb. .75 - .80
512 Direct blue RD. lb. .80 - 1.00
518 Direct pure blue 4B. lb. 1.10 - 1.25
520 Direct pure blue. lb. .50 - 1.00
529 Direct fast, black, FF. lb. .55 - 1.00
581 Direct black BW. lb. .25 - .50
582 Direct black RX. lb. .35 - .45
593 Direct green B. lb. .75 - .80
594 Direct green G. lb. 1.00 - 1.05
599 Direct brown 3GO. lb. .35 - 1.00
620 Direct yellow R. lb. 1.25 - 1.50
698 Acid violet. lb. 1.00 - 3.00
813 Primulin lb. .50 - .53
814 Direct fast yellow. lb. 2.00 - 2.25
845 Nigrosin(water soluble). lb. .35 - .50
1177 Indigo, 20 p. c. paste. lb. .15 - .18
Benzo fast black L. lb. .90 - 1.00
Sulphur black. lb. .20 - .25
Sulphur blue. lb. .40 - 1.00
Sulphur brown. lb. .25 - .50
Sulphur maroon. lb. .40 - —
Sulphur olive. lb. .25 - .54
Sulphur tan. lb. .30 - .50
Sulphur yellow. lb. .30 - .50
Zambesi black. lb. .75 - .80

Dyes, coaltar, for stains (numbers are those of Colour Index scale)
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives. lb. .42 - —
Blue:—
1075 Alizarin astrol base. lb. 15.00 - —
1078 Alizarin cyanin green base. lb. 6.00 - —
729 Victoria blue. lb. .75 - —
Browns:—
Brown lb. 1.15 - —
Green:—
1078 Alizarin cyanin green. lb. 5.00 - —
Green. lb. .75 - —
Orange:—
24 Sudan I. lb. .70 - —
Orange, red shade. lb. .75 - —
Red:—
75 Sudan II. lb. 1.05 - —
255 Sudan IV. lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base. lb. 6.00 - —
890 Oil violet. lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow. lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB. lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin. lb. .40 - —
Blue:—
729 Victoria blue. lb. 2.35 - —
860 Indulin. lb. .70 - —
Brown:—
331 Bismarck brown. lb. 1.50 - —
Green:—
637 Malachite green base. lb. 2.00 - —
Orange:—
20 Chrysoidin G. lb. .95 - —
21 Chrysoidin R. lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B. lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine lb. 2.00 - —
800 Chinolin yellow SS. lb. 2.00 - —
Violet:—
690 Methyl violet lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .80 - —
865 Nigrosin lb. .36 - —
873 Methylene gray. lb. 1.50 - —
Blue:—
714 Patent blue A. lb. 1.45 - —
729 Victoria blue B. lb. 2.00 - —
861 Indulin lb. .67 - —
909 New blue R. lb. 1.30 - —
922 Methylene blue. lb. 1.00 - —
1054 Alizarin saphirol B. lb. 1.90 - —
1180 Indigotin IA. lb. .95 - —
Dyes, coaltar, for stains (numbers are those of Colour Index scale)
Brown:—
234 Resorcin brown Y. lb. .85 - —
235 Resorcin dark brown R lb. .86 - —
231 Bismarck brown G. lb. .53 - —
332 Bismarck brown R. lb. .57 - —
798 Phosphin lb. 4.65 - —
Green:—
5 Naphthol green B. lb. 1.00 - —
657 Malachite green. lb. 1.35 - —
662 Brilliant green. lb. 2.00 - —
666 Guinea green B. lb. 1.15 - —
737 Wool green S. lb. .58 - —
924 Methylene green B. lb. 1.55 - —
1075 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G. lb. .40 - —
21 Chrysoidin R. lb. .37 - —
27 Orange G. lb. .50 - —
151 Orange Y. lb. .30 - —
161 Orange R. lb. .34 - —
Water-soluble:—
Red:—
21 Amidonaphthol red G. lb. .43 - —
87 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R. lb. .48 - —
88 Fast red B. lb. 1.05 - —
176 Fast red A. lb. .54 - —
179 Azorubin lb. .53 - —
183 Crocein scarlet 3BX. lb. .60 - —
185 Cochineal red A. lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein 3B. lb. .68 - —
677 Fuchsin lb. 2.10 - —
749 Rhodamine B. lb. 2.50 - —
752 Rhodamine 6G. lb. 4.50 - —
768 Rosin G. lb. 1.50 - —
841 Safranin lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B. lb. .75 - —
681 Crystal violet C. lb. 1.75 - —
695 Acid violet 4BN. lb. .80 - —
Dyes, coaltar, for stains (numbers are those of Colour Index scale)
Yellow:—
10 Naphthol yellow S. lb. .80 - —
128 Metanil yellow. lb. .53 - —
636 Fast light yellow. lb. 1.25 - —
639 Xylene light yellow. lb. 1.15 - —
640 Tartrazin lb. .90 - —
655 Auramine lb. 1.37 - —
Dyes, natural (see name of article).

## E

Echinacea root, bls. lb. .17 - .18
Egg albumen (see Albumen).
yolk, bbls. lb. .67 - .69
Elder flowers, bright, bls. lb. .21 - .23
Elecampane root, bls. lb. .10 - .11
Elm bark, grinding, bls. lb. .10 - .11
powd., bbls., bxs. lb. .20 - .21
select, bndls. lb. .25 - .28
Emetine hydrochloride, bots. oz. 13.50 -14.00
Ephedra, bls. lb. .11 - .12
Ephedrine, tins, 1,000 ozs. oz. 2.15 - —
tins, 100 ozs. oz. 2.25 - —
Hydrochloride, tins, 1,000 ozs. oz. 1.50 - —
tins, 100 ozs. oz. 1.60 - —
Sulphate, cryst., 1,000 ozs. oz. 1.50 - —
tins, 10 0ozs. oz. 1.60 - —
Epsom salt, tech., bgs. 100 lbs. 1.80 - —
bbls. 100 lbs. 1.90 -
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 -
l.c.l., 5,000 lbs., 1 withdrawal. lb. 2.35 - —
smaller lots. lb. 2.50 - —
bbls., c.l. 100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal. lb. 2.35 - —
smaller lots. lb. 2.60 - —
kgs., c.l. lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal. lb. 2.60 - —
smaller lots. lb. 2.85 - —
dried, dom., bgs., l.c.l. lb. .08 - .10
Ergot, USP, cns., dms. lb. 1.25 - 1.30
Eserine, bots. oz. 42.00 - —
Salicylate, bots. oz. 33.00 -34.00
Sulphate, bots. oz. 30.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., l.c.l., dlvd. lb. .25 - —
cns. lb. .29 - .31
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .08 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs. lb. .14 - —
synth., dms., c.l., works. lb. .09 - —
l.c.l., works. lb. .09 - —
USP, anesthesia, dms., 27 lbs. lb. .26 - —
USP, 1880, dms. lb. .35 - .40
washed, dms lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld. lb. .061 - —
l.c.l., frt. alld. lb. .066 - —
tanks, frt. alld. lb. .051 - —
99%, dms., c.l., frt. alld. lb. .0685- —
l.c.l., frt. alld. lb. .0735- —
tanks, frt. alld. lb. .0585- —
N. F., VI, 99%, dms., 400 lbs. lb. .08 - —
cns., 35 lbs. lb .12 - .13
Acetate, USP, VIII, 90%, dms., 400 lbs. lb. .07¼- —
cns., 35 lbs. lb. .13¼- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works. lb. .28 - —
Bromide, tech., dms. lb. .50 - .55
Caproate, cns. lb. 1.00 - —
Chloride, dms. lb. .18 - .20
Cinnamate, cns. lb. 3.20 - 4.00
Crotonate, 55 and 110 gal. dms., dlvd. lb. .33 - —
5 and 10 gal. dms., dlvd. lb. .36 - —
Formate, cns., dms. lb. .22 - .24
Iodide, bots. lb. 5.01 - —
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works. lb. .37½- —
Oxalate, dms., frt. alld. lb. .25 - —
Silicate, l.c.l., dms., works. lb. .77 - —
Vanillin, 25 lbs. lots., cns., lb. 5.25 - —
5 lb. lots lb. 5.30 - —
1 lb. lots, cns. lb. 5.40 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld. lb. .45 - —
contracts, frt. alld. lb. .47 - —
100 lbs., frt. alld. lb. .50 - —
smaller lots, works. lb. .55 - —
Ethylene bromide, dms. lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld. lb. .0545- .06½
West of Rockies, same basis. lb. .0595- .06
l.c.l., works, E. of Rockies, frt. alld. lb. .0644- .06½
West of Rockies, same basis. lb. .0694- .07
Ethyleneglycol, dms., c.l. lb. .16 - —
l.c.l. lb. .17 - .20
tanks lb. .15 - —
Monobutylether, dms., c.l., works. lb. .19 - —
l.c.l., works. lb. .19 - .22
tanks, works. lb. .17 - —
Monoethylether, dms., c.l., works. lb. .15 - —
l.c.l., works. lb. .16 - —
tanks, works. lb. .14 - —

Ethyleneglycol, monoethylether, acetate, dms., c.l., works. lb. .16 - —
l.c.l., dms. lb. .14 - —
tanks, works. lb. .12 - —
Monomethylether, dms., c.l., works. lb. .17 - —
l.c.l., works. lb. .18 - —
tanks, works. lb. .16 - —
Ethylidinaniin, dms. lb. .45 - .47½
Ethylorthoparatoluenesulphonamide, bbls. lb. .60 - —
Eucalyptol, crs., dms. lb. .55 - .57
Eucalyptus leaves, bls. lb. .08 - .09
bbls. lb. .55 - —
Ethylparatoluenesulphonamide.
Eugenol, bgs., crs. lb. 1.70 - 2.15
Euphorbia, bls. lb. .05 - .06

# F

Feldspar, enamel, 100 mesh, bulk, works. ton. 14.00 -17.50
glass, 20 mesh, bulk, works. ton. 9.75 -13.25
pottery, bulk, Me., works. ton. 17.00 -19.00
N.C. works. ton. 17.00 -19.00
Fennel seed, French type, bgs., lb. .07¾- .08¼
Indian, bgs. lb. .07½- .07¾
German, large, bgs. lb. .18 - .19
small, bgs. lb. .12 - .13
Fenugreek seed, bgs. lb. .03¾- .04¼
Ferric Sulphate, anhyd., c.l., works. ton. 35.00 - —
l.c.l. ton. 40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works. lb. .10 - —
smaller lots, works. lb. .11 - —
light, cs., 1,000 lbs. or over, works. lb. .11 - —
smaller lots, works. lb. .12 - —
water white, cs., 1,000 lbs., or over, works. lb. .12 - —
smaller lots, works. lb. .13 - —
Fir balsam, Canada ,crs. gal. 10.50 -11.00
Oregon. bbls. gal. 1.05 - 1.10
Fish berries, bgs. lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures. unit-ton. No prices.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto. ton. 50.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, So. Atlantic factories, contracts. unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, shipt. ton. 48.50 - —
Flake, white, bbls., kgs. lb. .10¼- —
Fleaseed, French, black, bgs. lb. .14 - .14½
Indian, blonde, bgs. lb. .07 - .07½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines. ton. 31.50 - —
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines. ton. 19.00 -20.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines. ton. 20.00 -21.00
imported, 85% not over 5% duty paid. ton. 23.50 -24.00
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l. works. lb. .06¼- —
dms., c.l., works. lb. .05¼- —
l.c.l., works. lb. .05¾- —
tanks, works. lb. .04½- —
Fringetree bark, bls. lb. .10 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines. ton. 10.00 - —
import, bgs., c.l., ex dock. ton. 23.00 - —
l c.l., ex whse. ton. 30.00 - —
Furfural, refd., c.l., works, lb. .15 - —
l.c.l., works. lb. .17½- .25
tech., dms., contracts, 150,000 lbs. lb. .10 - —
c.l., works. lb. .12½- —
l.c.l., works. lb. .15 - .20
tanks, works. lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .12½- .14
Fustic extract, cryst., bbls. lb. .22 - .26
liquid, bbls. lb. .09¼- .13
solid, dms. lb. .17½- .19½

# G

G salt, bbls. lb. .45 - —
Galangal root, bls. lb. .10 - .11
Gall extract, bbls. lb. .22 - —
Gambier, common, cases. lb. .06¾ Nom.
plantation, cases lb. .08¼- .09
Cubes, Singapore, cases. lb. .08½- .09
Extract, bbls. lb. .06½- .09¼
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks. gal. .06½- —
65 octane and above, tanks, gal. .06¼- —
California, 54-58, tanks. gal. .06½- .06¾
Gulf Coast, U. S. Motor, bulk, gal. .04¾- .04⅞
60-62, 390 e.p., bulk, export, gal. .04¾- .04⅞
60-62, 400 e.p., bulk, export, gal. .04¾- .04⅞
64-66, 375 e.p., bulk, export, gal. .04⅞- —
Louisiana-Arkansas, US motor, 62 octane, tanksgal. .04¼- .04½
63-66 octane, tanks. gal. .04½- .04⅝
67-69 octane, tanks. gal. .04⅞- .05
70-72 octane, tanks. gal. .05½- .05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks. gal. .04 - —
third grade, tanks. gal. .04 - —
63-68 octane, tanks. gal. .03⅞- —
67-69 octane, tanks. gal. .04¼- —
70-72 octane, tanks. gal. .04¾- —
natural, 12-lb. v. p., tanks, gal. .03¼- .03½
14-lb. v.p., tanks. gal. .03⅝- —
18-lb. v.p., tanks. gal. .02⅝- .02¾
22-lb. v.p., tanks. gal. .02¾- —
26-70 lb., v.p., tanks. gal. .03 - —
Pennsylvania, US motor, below 60 octane tanks. gal. .05 - —
65 octane, tanks. gal. .06½- —
52-56 450 e.p., naphtha, tanks. gal. .04¾- .05
Gelatin, silver, cs. lb. .45 - .50
Gelsemium root, bls. lb. .11 - .12
Gentian root, bls. lb. .07½- .08
grd., bbls., bxs. lb. .09¼- .10
powd., bbls., bxs. lb. .10½- .11
Geraniol, crs., dms. lb. .67 - 3.00
Geranyl acetate, bots., dms. lb. 1.20 - 2.50
Ginger root, African, bgs. lb. .06¼- .06¾
Cochin, lemon, bgs. lb. .09¼- .09½
Jamaica, bold, bgs. lb. .15 - .15½
grinding, bright, bgs. lb. .10 - .10½
medium, bold, bgs. lb. .11 - .11½
Japanese, bgs. lb. .08½- .08¾
Ginseng fibers, cs. lb. 1.75 - 3.00
Root, cultivated, cs. lb. 10.00 -11.00
wild, Southern, cs. lb. 6.00 - 7.00
Glauber's salt, anhyd. (See Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works. 100 lbs. .95 - 1.18
5 tons or over, works. 100 lbs. 1.05 - 1.25
less than 5 tons, works. 100 lbs. 1.15 - 1.35
import., bgs. 100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd. lb. .11¼- —
l.c.l., dlvd. lb. .12 - —
36/58, bgs., c.l., dlvd. lb. .11 - —
l.c.l., dlvd. lb. .11½- —
58/82, bgs., c.l., dlvd. lb. .12½- —
l.c.l., dlvd. lb. .13 - —
82/105, bgs., c.l., dlvd. lb. .13 - —
l.c.l., dlvd. lb. .13½- —
hide, calcimine type, 63 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest. lb. .15 - —
l.c.l., same basis. lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis. lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis. lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis. lb. .19½- —
88/251,bgs.,c.l.,same basis. lb. .19½- —
l.c.l., same basis. lb. .20½- —
92/283,bgs.,c.l.,same basis. lb. .20½- —
l.c.l., same basis. lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis. lb. .22 - —
113/347, bgs., c.l., same basis, lb. .22 - —
l.c.l., same basis. lb. .23 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis. lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., crs., l.c.l. lb. .14½- .15
dms., c.l., dlvd. lb. .12½- —
l.c.l., dlvd. lb. .13 - —
tanks, dlvd. lb. .12¼- —
dynamite, dms. lb. Nominal.
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd. lb. .12½- —
tanks, dlvd. lb. .11¾- —
saponification, basis 88%, dms., returnable, dlvd. lb. .08½- .08¾
soapiye, basis 80%, dms., returnable, dlvd. lb. .07½- .07¾
Glycol boriborate, dms. lb. .23 - —
Phthalate, dms. lb. .39 - —
Stearate, dms. lb. .25 - —
Gold, U.S. purchase price. oz. 35.00 - —
Chloride, acid brown, bots. oz. 20.75 -21.00
yellow, bots. oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
U.S.P. IX, bots. oz. 14.50 -14.75
Gold of pleasure seed, bgs. lb. .12 - .12½
Goldenseal root, bls. lb. 2.75 - 2.80
powd., bxs. lb. 3.15 - 3.20
Grains of paradise, bgs. lb. .60 - .61
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works. lb. .06 - —
bbls., c.l., works. lb. .06¼- —
l.c.l., works. lb. .06½- —
powd., amorph., 90% 325 mesh, 65% graphitic carbon bgs., c.l.,works. lb. .02½- —
65% graphitic carbon, bbls., c.l., works. lb. .02¾- —
l.c.l., works. lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works. lb. .03½- —
bbls., c.l., works. lb. .03¾- —
l.c.l., works. lb. .04½- —
Grease, house, trcs. lb. .04¾- .05
White, trcs. lb. .05½- .05¾
Yellow, trcs. lb. .04⅞- .05
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .21 - —
6-10%, bbls., same basis. lb. .22 - —
11-15%, bbls., same basis. lb. .23 - —
16-20%, bbls., same basis. lb. .23½- —
21-25%, bbls., same basis. lb. .24 - —
26-30%, bbls., same basis. lb. .24½- —
31-35%, bbls., same basis. lb. .25½ - —
36-40%, bbls., same basis. lb. .27 - —
41-45%, bbls., same basis. lb. .28½- —
46-50%, bbls., same basis. lb. .30 - —
over 50%, bbls., same basis lb. .31 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Chrome, reduced, C.P., color content up 5%, same basis. lb. .06 - —
6-10%, bbls., same basis. lb. .06¾- —
11-13%, bbls., same basis. lb. .07¼- —
14-16%, bbls., same basis. lb. .07½- —
17-19%, bbls., same basis. lb. .07¾- —
20-21%, bbls., same basis. lb. .08 - —
22-23%, bbls., same basis. lb. .08¼- —
24-25%, bbls., same basis. lb. .08½- —
26-27%, bbls., same basis. lb. .08¾- —
28-29%, bbls., same basis. lb. .09¼- —
30-31%, bbls., same basis. lb. .10 - —
32-33%, bbls., same basis. lb. .11¼- —
34-35%, bbls., same basis. lb. .12¼- —
36-40%, bbls., same basis. lb. .14¼- —
41-45%, bbls., same basis. lb. .16¼ —
46-50%, bbls., same basis. lb. .16¾- —
51-55%, bbls., same basis. lb. .17¼- —
56-60%, bbls., same basis. lb. .17¾- —
61-65%, bbls., same basis. lb. .18¼- —
66-70%, bbls., same basis. lb. .19¼- —
71-75%, bbls., same basis. lb. .20¼- —
Chrome oxide, dom., pure, bbls. lb. .22 - —
ceramic, light shades, bbls., c.l., works. lb. .26 - —
l.c.l., works. lb. .30 - —
standard grade, bbls., works. lb. .21 - .22
Chrome, tetrahydroxide, bbls. lb. .85 - —
Green, Paris (see P).
Tungstated, brilliant, kgs. lb. 3.50 - —
emerald, kgs. lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls. lb. .08 - .09
Guaiac resin, cs. lb. .27 - .28
strained, cs. lb. .90 - 1.00
Wood, bls. lb. .04 - .05
Guaiacol, liq., djns. lb. 1.65 - 1.91
Carbonate, fib. dms., 25 lbs. lb. 2.40 - 2.74
Guarana, powd., cs. lb. 1.00 - 1.05
Gum, aloe (ass A).
Ammoniac, tears., cs. lb. .85 - .90
Arabic, amber sorts, cleaned, bgs. lb. .09 - .09¼
white sorts, 1, bgs. lb. .23 - .24
2, bgs. lb. .21 - .22
white powd., bbls. lb. .12½- .14
Asafetida (see A).
Asphaltum (see A).
Gum, benzoin, Siam, cs. lb. 1.40 - 1.60
Sumatra, cs. lb. .20 - .21
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots. lb. .38 - .39
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran. lb. .34¾- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ¼c. higher for 1-9 bgs.
2, cloudy, white, bgs., c.l., same basis. lb. .26¾- —
3, selected pale straw bold, bgs., c.l., same basis. lb. .17¼- —
4, pale bold straw, bgs., c.l., same basis. lb. .18¼- —
5, pale, straw bold, bgs., c.l., same basis. lb. .14¼- —
6, pale amber bold, bgs., c.l., same basis. lb. .14¾- —
7, pale, straw bold, bgs., c.l., same basis. lb. .11¾- —
8, light amber bold, bgs., c.l., same basis. lb. .11¾- —
9, medium light amber, bold, bgs., c.l., same basis. lb. .09 - —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09¼- —
11, hard dark amber bold, bgs., c.l., same basis. lb. .07¼- —
12, selected, bold sorts, bgs., c.l., same basis. lb. .06½- —
13, dark sorts bold, bgs., c.l., same basis. lb. .05¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis. lb. .17¼- —
15, ordinary ivory sorts, bgs., c.l., same basis. lb. .06⅞- —
16, inferior ivory sorts, bgs., c.l., same basis. lb. .05⅝- —
17, pale, fingers, bgs., c.l., same basis. lb. .14¼- —
18, pale straw nubs, bgs., c.l., same basis. lb. .11¾- —
19, pale straw nubs, bgs., c.l., same basis. lb. .11¼- —
20, hard dark amber nubs, bgs., c.l., same basis. lb. .08¼- —
21, ordinary selected nubs, c.l., same basis. lb. .06⅞- —
22, small mixed nubs, bgs., c.l., same basis. lb. .06¼- —
23, dark mixed nubs, bgs., c.l., same basis. lb. .06¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis. lb. .14¼- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .06¼- —
26, pale, bold chips, bgs., c.l., same basis. lb. .06 - —
27, pale small chips, bgs., c.l., same basis. lb. .05⅝- —
28, pale dust, bgs., c.l., same basis. lb. .04⅜- —
East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05¼- —
unscraped, bgs., c.l., same basis. lb. .04 - —
chips, bgs., c.l., same basis, lb. .03⅝- —
dust, bgs., c.l., same basis. lb. .03¼- —
nubs and chips, bgs., c.l., same basis. lb. .03⅜- —
black, bold, scraped, bgs., c.l., same basis. lb. .06⅝- —
unscraped, bgs., c.l., same basis. lb. .04½- —
nubs and chips, bgs., c.l., same basis. lb. .04¾- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis. lb. .11⅜- —
chips, bgs., c.l., same basis. lb. .05¾- —
dust., bgs., c.l., same basis. lb. .03¼- —
nubs, bgs., c.l., same basis. lb. .09½- —
Singapore, Rasak, bold, bgs., c.l., same basis. lb. .14½- —
chips, bgs., c.l., same basis, lb. .06¼- —
dust, bgs.,c.l.,same basis.lb. .03¼- —
nubs, bgs., c.l., same basis. lb. .10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis. lb. .11½- —
light, bskts., c.l., same basis. lb. .13¾- —
Loba A, bskts., c.l., same basis. lb. .10½- —
B, bskts.,c.l.,same basis.lb. .10¼- —
C, bskts., c.l., same basis. lb. .09¾- —
CNE, bskts., c.l., same basis. lb. .06 - —
D, bskts., c.l., same basis, lb. .09¾- —
DK, bskts., c.l., same basis, lb. .06 - —
DU, bskts., c.l., same basis, lb. .08¾- —
dust, bskts.,c.l., same basis, lb. .05½- —
Sambas and white split chips, bskts., c.l., same basis. lb. .14¾- —
Singapore, dust., bskts., c.l., same basis. lb. .05½- —
spirit-soluble, CBB, bskts., basis. lb. .08½- —
DBB, bskts., c.l., same basis. lb. .07¾- —
MA, bskts., c.l., same basis, lb. .05¾- —
MB, bskts., c.l., same basis, lb. .05¾- —
WS, bskts., c.l., same basis, lb. .07¾- —
Philippine, Manila, amber sorts, bskts., c.l., same basis. lb. .06¼- —
chips, pale, bskts., c.l., same basis. lb. .08½- —
small, bskts., c.l., same basis. lb. .07¼- —
extra pale sorts, bskts., c.l., same basis. lb. .06¾- —
nubs, bskts., c.l., same basis. lb. .10¾- —
pale, scraped, bskts., c.l., same basis. lb. .11¾- —
seeds and dust, bskts., c.l., same basis. lb. .05¾- —
Pontianak, bold, genuine, bgs., same basis. lb. .15¼- —
mixed, bgs., c.l., same basis. lb. .14 - —
chips, bgs., c.l., same basis, lb. .08¼- —
split, bgs., c.l., same basis, lb. .13½- —
nubs, bgs., c.l., same basis. lb. .11¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal. lb. .20 - —
A/D, cs., c.l., same basis. lb. .14½- —
A/E, cs., c.l., same basis. lb. .12¼- —
B, cs., c.l., same basis. lb. .18½- —
C, cs., c.l., same basis. lb. .14¾- —



Gum, dammar, Batavia, D., cs., c.l., same basis. lb. .13½- —
dust., cs., c.l., same basis. lb. .05¾- —
E, cs., c.l., same basis. lb. .07¾- —
F, cs., c.l., same basis. lb. .07¼- —
Singapore 1, cs., c.l., same basis. lb. .13¼- —
2, cs., c.l., same basis. lb. .11¼- —
3, cs., c.l., same basis. lb. .05¼- —
chips, cs., c.l., same basis. lb. .09¼- —
dust., cs., c.l., same basis, lb. .05¼- —
seeds, cs., c.l., same basis, lb. .07¾- —
Elemi, crs., c.l., same basis as copal. lb. .08½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y., and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .06¼- .06½
less than 10,000 lbs., same basis. lb. .06½- .07
dlvd., western N.Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l. lb. .06¾- .07
l.c.l., same basis. lb. .07 - .07½
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l., lb. .07 - .07½
l.c.l., same basis. lb. .07¼- .07¾
Euphorbium, cs. lb. .22 - .23
Galbanum, cs. lb. .90 - .95
Gamboge, pipe, cs. lb. .60 - .65
powd., bbls. lb. .65 - .70
Ghatti, soluble, bgs. lb. .11 - .15
superior, bgs. lb. .09 - .11
Guaiac (see Guaiac resin)
Karaya, bbls., bxs., dms. lb. .14½- .23
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis. lb. .38 - —
B1, cs., c.l., same basis. lb. .28 - —
B2, cs., c.l., same basis. lb. .24 - —
B3, cs., c.l., same basis. lb. .18½- —
80% chips, cs., c.l., same basis. lb. .12½- —
pale, XXX, cs., same basis. lb. .61 - —
1, cs., c.l., same basis. lb. .41 - —
2, cs., c.l., same basis. lb. .24 - —
3, cs., c.l., same basis. lb. .17¾- —
Kino, tins. lb. 2.50 Nom.
Mastic, cs., c.l., same basis as copal. lb. .55 - .56
Myrrh, USP, cs. lb. .45 - .50
Olibanum, siftings, bls. lb. .07½- .18
tears, cs. lb. .18 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal. lb. .15 - .19
Scammony, cs. lb. 1.10 - 1.15
Senegal, picked, bgs. lb. .25 - .27
sorts, bgs. lb. .09¼- .09½
Talha, bgs. lb. .07½- .08
Thus, bbls. 280 lbs. 14.00 -14.25
Tragacanth, Alleppo 1, cs. lb. 2.40 2.45
2, cs. lb. 2.30 - 2.35
3, cs. lb. 1.90 - 1.95
flake, bgs. lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal. lb. .03½- —
powd., bgs., c.l., same basis. lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equal. ton. 21.15 - —
Medicine Lodge, Kans., frt. equald. ton. 17.00 - —
New Brighton, N. Y., frt. equald. ton. 27.15 - —
Southard, Okla., frt. equald. ton. 17.00- —
Sweetwater, Tex., frt. equald. ton. 21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald. ton. 12.50 - —
Blue Rapids, Kans., frt. equald. ton. 12.50 - —
New Brighton, N. Y., frt. equald. ton. 15.70 - —
Southard, Okla. frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald. ton. 12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla., frt. equald. ton. 12.00 - —
import, bgs., ex dock. ton. 27.50 - —

# H

Hawthorn berries, bgs. lb. .20 - .21
Heliotropin, cryst., crs. lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls. lb. .12 - .13
Helonias root bls. lb. .55 - .60
Hematine crystals, bbls. lb. .18 - .28
Hemlock bark extract, 25% tan, c.l., bbls., works. lb. .03 - —
l.c.l., bbls., works. lb. .03¼- —
tanks, works. lb. .02⅝- —
Hempseed, Manchur, bgs. lb. .05¼- .05½
Henbane leaves, bls. lb. .15 - .16
Henna leaves, bls. lb. .07½- .09
powd., bbls., bxs. lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3. gal. .11 - —
l.c.l., Group 3. gal. .16 - —
tanks, Group 3. gal. .08½- —
normal, 86-100°, dms., c.l., Group 3. gal. .11¼- —
l.c.l., Group 3. gal. .17 - —
tanks, Group 3. gal. .09¼- —
Hexalin, dms. lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3. gal. .12½- —
l.c.l., Group 3. gal. .17 - —
tanks, Group 3. gal. .10½- —
laboratory grade, dms., c.l., Group 3. gal. .14 - —
l.c.l., Group 3. gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C. lb. .35 - —
150 to 1,350 lbs. shipments, same basis. lb. .36 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis. lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts. lb. .13 - —
l.c.l., same terms. lb. .12¾- —
tanks, same terms. lb. .13 - —
Homatropine hydrobromide, bots., 50 ozs. oz. 13.00 - —
25 ozs. oz. 13.50 - —

**Hoof Meal—Mang. Resinate**

| | | | |
|---|---|---|---|
| Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago | unit-ton | 2.50 | - 2.65 |
| Hops, N. F., bls. | lb. | .17 | - .27 |
| Horehound, bls. | lb. | .08½ | - .09 |
| Hydrangea root, bls. | lb. | .09 | - .10 |
| Hydrastine, bots., 4 ozs. | oz. | 17.25 | - — |
| cns., 16 ozs. | oz. | 17.00 | - — |
| Hydrochloride, bots., 4 ozs. | oz. | 17.25 | - — |
| cns., 16 oz. | oz. | 17.00 | - — |
| Sulphate, bots., 4 ozs. | oz. | 19.25 | - — |
| cns., 16 oz. | oz. | 19.00 | - — |
| Hydrastis (see Golden seal). | | | |
| Hydrofuramide, dms., 100 lbs. or more, works | lb. | .39 | - — |
| fib. cns., works | lb. | .40 | - — |
| Hydrogen peroxide, USP, bbls. | lb. | .03¾ | - .04 |
| 100 vols., cbys., E. of Miss. R. | lb. | .20 | - — |
| Hydroquinone, dealers, bbls., dms. | lb. | .90 | - .94 |
| Hydroxycitronellal, cns. | lb. | 2.00 | - 2.50 |
| Hyoscine hydrobromide, bots. | oz. | 18.00 | -19.00 |
| Hyoscyamine, bots. | oz. | 15.00 | - — |
| Hydrobromide, bots. | oz. | 15.00 | - — |
| Sulphate, bots. | oz. | 15.00 | - — |
| Hypernic, liq., 51°, bbls. | lb. | .16 | - .21 |
| solid, bxs. | lb. | .18½ | - .20½ |

# I

| | | | |
|---|---|---|---|
| Iceland moss, bls. | lb. | .12 | - .13 |
| Ichthyol, bots. | lb. | 4.00 | - 4.25 |
| Indian red (see Red, Indian). | | | |
| Indigo, nat., Madras, cs. | lb. | 1.62 | - 1.67 |
| synth., liq., bbls. | lb. | .16½ | - .19 |
| powd., bbls. | lb. | .74½ | - .85 |
| Indol, CP, bots. | lb. | 32.00 | -34.00 |
| Insect flowers (see Pyrethrum). | | | |
| Iodine, crude, jars, 25 lbs. | lb. | 1.30 | - — |
| kgs., 150 lbs. | lb. | 1.07 | - — |
| less 5%, kgs., 150 lbs. | lb. | 1.07 | - — |
| resubl., bots., 5 lbs. | lb. | 1.85 | - — |
| jars, 50 lbs. | lb. | 1.75 | - — |
| tincture, USP, bbls., 47 gals., | gal. | 1.70 | - — |
| cbys., 5 gals. | gal. | 1.75 | - 1.80 |
| mild, bbls., 47 gals. | gal. | .95 | - — |
| cbys., 5 gals. | gal. | 1.00 | - 1.05 |
| Iodoform, dms., 100 lbs. | lb. | 3.95 | - — |
| jars, 25 lbs. | lb. | 4.05 | - — |
| Ionone, alpha, bots. | lb. | 2.50 | - 2.55 |
| alpha, extra, bots. | lb. | 4.00 | - 4.05 |
| alpha beta, bots. | lb. | 2.25 | - 2.30 |
| beta, bots. | lb. | 4.10 | - 4.15 |
| Ipecac root, bgs. | lb. | 1.10 | - 1.15 |
| powd., bxs. | lb. | 1.20 | - 1.25 |
| Irish moss, ordinary, bls. | lb. | .10 | - .11 |
| powd., 80-90 mesh, bbls. | lb. | .20 | - .22 |
| prime, bleached, bls. | lb. | .18 | - .20 |
| Iron acetate, N. F. IV, cbys., 100 lbs. | lb. | .15 | - — |
| djns., 50 lbs. | lb. | .16 | - — |
| liquor, bbls., c.l., divd. | lb. | .03 | - — |
| l.c.l., divd. | lb. | .04 | - — |
| Chloride (ferric), tech., anhydr., 300-lb. dms. | 100 lbs. | 4.65 | - 6.25 |
| 150-lb. dms | 100 lbs. | 5.00 | - 6.60 |
| cryst., bbls., works, frt. alld. or equid. | lb. | .05 | - .06 |
| kegs, works, frt. alld. or equid. | lb. | .07½ | - .08 |
| liquor, cbys., works, frt. alld. or equid. | lb. | .05 | - .06 |
| USP X, cryst., bbls. | lb. | .07¼ | - — |
| kegs | lb. | .08½ | - — |
| USP solut., cbys., works, frt. alld. or equid. | lb. | .06¼ | - .07 |
| djns | lb. | .07½ | - — |
| USP VIII, pearls. | lb. | .72 | - .75 |
| powd., cns. | lb. | .84 | - .87 |
| scales, cns. | lb. | .77 | - .80 |
| Glycerophosphate, bbls., kgs., 1,000 lb. lots. | lb. | 2.87 | - — |
| smaller lots | lb. | 2.97 | - — |
| cns., 25 lbs. | lb. | 3.09 | - — |
| Hypophosphite, cns. | lb. | 1.55 | - 1.60 |
| Iodide, bots. | lb. | 2.99 | - — |
| syrup, djns. | lb. | .37 | - .38 |
| bots | lb. | .52 | - — |
| Nitrate, coml., kgs. | lb. | .02¾ | - .03 |
| Oxalate, powd., kgs. | lb. | .47 | - — |
| cns. | lb. | .52 | - — |
| scales, cns. | lb. | .83 | - .85 |
| Oxide (see Black, Red, etc.). | | | |
| Phosphate, ferric, pearls, cns., 50 lbs. | lb. | .54 | - — |
| 25 lbs. | lb. | .57 | - — |
| scales, cns., 50 lbs. | lb. | .59 | - — |
| 25 lbs. | lb. | .62 | - — |
| ferrous, bbls., 200 lbs. | lb. | .35 | - — |
| bxs., 25 lbs. | lb. | .40 | - — |
| kgs., 100 lbs. | lb. | .37 | - — |
| Pyrophosphate, pearls, cns. | lb. | .59 | - .62 |
| scales, cns. | lb. | .64 | - .67 |
| Reduced, 90%, cs. | lb. | .60 | - .65 |
| Sulphate, tech. (see Copperas and ferric sulphate). | | | |
| Sulphate, U.S.P., cryst., bbls., 275 lbs. | lb. | .04¼ | - — |
| dms., 100 lbs. | lb. | .06½ | - — |
| Iron-ammonia citrate, brown, gran., cns. | lb. | .37 | - .40 |
| pearls, cns. | lb. | .37 | - .40 |
| scales, cns. | lb. | .47 | - .50 |
| green, gran., cns. | lb. | .37 | - .40 |
| pearls, cns. | lb. | .37 | - .40 |
| scales, cns. | lb. | .47 | - .50 |
| Oxalate, bxs. | lb. | .20 | - — |
| fib., dms. | lb. | .23½ | - — |
| kgs. | lb. | .25½ | - — |
| Iron-potash oxalate, bbls. | lb. | .42 | - — |
| kgs. | lb. | .44 | - — |
| jars | lb. | .49 | - — |
| Iron-soda oxalate, bxs. | lb. | .20 | - — |
| fib., dms. | lb. | .23½ | - — |
| kgs. | lb. | .25½ | - — |
| Isobutyl carbinol (see Carbinol). | | | |
| Isopentane, dms., works | lb. | .48 | - — |
| small lots, works | lb. | .50 | - — |
| Isopropanol (see Alcohol, isopropyl). | | | |
| Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts. | lb. | .061 | - — |
| l.c.l., same terms | lb. | .066 | - — |
| tanks, same terms | lb. | .051 | - — |
| Alcohol (see Alcohol). | | | |
| Ether, dms., c.l., works, frt. alld. E. of Miss. R. | gal. | .49 | - — |
| l.c.l. | gal. | .55 | - — |
| tanks | gal. | .25 | - — |

# J

| | | | |
|---|---|---|---|
| Jaborandi leaves, bls. | lb. | .09 | - .10 |
| Jalap root, NF, bls. | lb. | .16 | - .17 |
| powd., bbls., bxs. | lb. | .20 | - .21 |
| Juniper berries, bgs. | lb. | .04 | - .05 |

# K

| | | | |
|---|---|---|---|
| Kamala, tins | lb. | .24 | - .26 |
| Kaolin (see China clay). | | | |
| Kava kava root, bls. | lb. | .15 | - .16 |
| Kerosene, at refinery:— | | | |
| Bayonne, 41-43 w.w., tanks. | gal. | .04¾ | - .05 |
| Gulf ports, p.w., bulk, export. | gal. | .03¾ | - — |
| w.w., bulk | gal. | .04 | - — |
| Kerosene, at refinery, Louisiana-Arkansas, 41-49 w.w., bulk | gal. | .04⅜ | - .04½ |
| Oklahoma-Texas, 41-43 w.w., tanks | gal. | .04 | - .04⅜ |
| 42-44 w.w., tanks | gal. | .04¼ | - .04⅜ |
| Pennsylvania, 45 w.w., tanks, | gal. | .04¾ | - .05 |
| 46 w.w., tanks | gal. | .04¾ | - .05¼ |
| 47 w.w., tanks | gal. | .05 | - .05¼ |
| Kerosene, tankwagon:— | | | |
| Atlanta | gal. | .12 | - — |
| Boston | gal. | .08 | - — |
| Chicago | gal. | .10 | - — |
| Cincinnati | gal. | .13 | - — |
| Denver | gal. | .11½ | - — |
| Louisville | gal. | .10 | - — |
| Minneapolis | gal. | .104 | - — |
| New Orleans | gal. | .11 | - — |
| New York | gal. | .08¾ | - — |
| San Francisco | gal. | .11½ | - — |
| Kerosene distillate (see Oil, furnace). | | | |
| Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd. | ton. | No prices | |
| Kola nuts, bgs. | lb. | .07 | - .08 |

# L

| | | | |
|---|---|---|---|
| Lady slipper root, bls. | lb. | .43 | - .44 |
| Lanolin (see Adeps lanae). | | | |
| Lard, city, tubs | 100 lbs. | 7.50 | - 7.75 |
| Middlewestern, trcs. | 100 lbs. | 7.25 | - 7.35 |
| Neutral, trcs. | 100 lbs. | 8.25 | - 8.50 |
| Western, choice, trcs. | 100 lbs. | 7.30 | - 7.40 |
| Compound, trcs. | 100 lbs. | 9.25 | - 9.50 |
| Larkspur seed, bgs. | lb. | .28 | - .30 |
| Laurel berries, bls. | lb. | .09 | - .10 |
| Leaves, Greek, bls. | lb. | .03¾ | - .04¼ |
| Lavender flowers, ordinary, bls. | lb. | .26 | - .28 |
| select, bls. | lb. | .34 | - .35 |
| extra select, bls. | lb. | .40 | - .45 |
| Lead acetate, white, broken, bbls. | lb. | .10 | - — |
| cryst., bbls. | lb. | .10 | - — |
| gran., bbls. | lb. | .10¼ | - — |
| powd., bbls. | lb. | .10¾ | - — |
| Arsenate, bgs., dealers E. of Rockies | lb. | .11 | - — |
| W. of Rockies | lb. | .11 | - — |
| l.c.l., bgs., dealers, E. of Rockies | lb. | .11½ | - — |
| W. of Rockies | lb. | .11¼ | - — |

Lead arsenate prices are works or whse basis, frt. alld, to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse pick ups.

| | | | |
|---|---|---|---|
| Blue, basic sulphate, bbls., c.l., dlvd. E. | lb. | .06¼ | - — |
| dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. | lb. | .06½ | - — |
| l.c.l., dlvd., E. | lb. | .06½ | - — |
| dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. | lb. | .07 | - — |
| Carbonate (see Lead, white). | | | |
| Chloride, pure, bots., 5 lbs. | lb. | .62 | - — |
| fib., dms., 25 lbs. | lb. | .49 | - — |
| Iodide, N. F., V., powd., bots., 5 lbs. | lb. | 2.67 | - — |
| jars | lb. | 2.55 | - — |
| Linoleate, pale, precip., dms., | lb. | .19 | - — |

Metal (see daily quotations in market report).

| | | | |
|---|---|---|---|
| Metallic, paste, 200-lb. cont., f.o.b. works | lb. | .19 | - — |
| 5-lb. cont., f.o.b. works | lb. | .22 | - — |
| Nitrate, bbls. | lb. | .10 | - .13 |
| Oleate, bbls. | lb. | .18½ | - .20 |
| Peroxide, cns., works | lb. | .46 | - .47 |
| Red, dry, 95% or less, $Pb_3O_4$, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash. | lb. | .076 | - — |
| other points | lb. | .0735 | - — |
| l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. | lb. | .08 | - — |
| Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. | lb. | .08½ | - — |
| Colo., Mont., N. Mex., Wyo. | lb. | .08¼ | - — |
| other points | lb. | .07¾ | - — |
| smaller lots, etc. | lb. | .08½ | - — |
| Ariz., etc. | lb. | .09 | - — |
| Ohio, etc. | lb. | .08¾ | - — |
| other points | lb. | .08¼ | - — |
| 97%, $Pb_3O_4$, bbls., c.l. (20 tons), dlvd., Ala., etc., | lb. | .0785 | - — |
| other points | lb. | .0760 | - — |
| l.c.l., 5 tons, dlvd., Ala., etc. | lb. | .08½ | - — |
| Ariz., etc. | lb. | .08¾ | - — |
| Colo., etc. | lb. | .08½ | - — |
| other points | lb. | .08 | - — |
| smaller lots, dlvd., Ala., etc. | lb. | .08¾ | - — |
| Ariz., etc. | lb. | .09¼ | - — |
| Colo., etc. | lb. | .09 | - — |
| other points | lb. | .08½ | - — |
| 98%, $Pb_3O_4$, bbls., c.l., (20 tons), dlvd., Ala., etc. | lb. | .0810 | - — |
| other points | lb. | .0785 | - — |
| l.c.l., 5 tons, dlvd., Ala., etc. | lb. | .08½ | - — |
| Ariz., etc. | lb. | .09 | - — |
| Colo., etc. | lb. | .08¾ | - — |
| other points | lb. | .08¼ | - — |
| smaller lots, dlvd., Ala., etc. | lb. | .09 | - — |
| Ariz., etc. | lb. | .09½ | - — |
| Colo., etc. | lb. | .09¼ | - — |
| other points | lb. | .08¾ | - — |
| in oil, 95% min., 100-lb. kgs., | lb. | .12¼ | - — |
| Resinate, fused, 16%, bbls. | lb. | .09½ | - — |
| pale, bbls. | lb. | .11¼ | - — |
| precip., bbls. | lb. | .16½ | - — |
| Stearate, bbls. | lb. | .22 | - .23 |

Sulphate (see Lead, white, basic sulphate)

| | | | |
|---|---|---|---|
| Titanate, bbls., c.l., f.o.b. works, frt. alld. | lb. | .11 | - — |
| l.c.l., 5 tons, one delvy., dlvd., | lb. | .11¼ | - — |
| smaller lots | lb. | .11½ | - — |
| White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo. | lb. | .07¼ | - — |
| other points | lb. | .07 | - — |
| l.c.l., dlvd., Ariz., etc. | lb. | .07½ | - — |
| other points | lb. | .07¼ | - — |
| basic sulphate, bbls., c.l., dlvd., Ariz., etc. | lb. | .06½ | - — |
| other points | lb. | .06¼ | - — |
| Lead, white, dry, basic sulphate, l.c.l., dlvd., Ariz., etc. | lb. | .06¾ | - — |
| other points | lb. | .06½ | - — |
| in oil, 100-lb. kgs., consumers | lb. | .11¾ | - — |
| dealers | lb. | .09¾ | - — |
| painters | lb. | .10¾ | - — |
| Lecithin, 100%, cns., f.o.b., N. Y., or Chi. | lb. | 2.50 | - — |
| edible, grade 1, dms., c.l., same basis | lb. | .45 | - — |
| l.c.l., same basis | lb. | .47½ | - .65 |
| grades 2 or 3, dms., c.l., same basis | lb. | .47½ | - — |
| l.c.l., same basis | lb. | .50 | - .67½ |
| grade 4, dms., c.l., same basis | lb. | .50 | - — |
| l.c.l., same basis | lb. | .52½ | - .70 |
| purified, cs., dms., c.l., same basis | lb. | .65 | - — |
| l.c.l., same basis | lb. | .67½ | - .95 |
| tech., grade 1, dms., c.l., same basis | lb. | .35 | - — |
| l.c.l., same basis | lb. | .37½ | - .55 |
| grades 2 or 3, dms., c.l., same basis | lb. | .37½ | - — |
| l.c.l., same basis | lb. | .40 | - .57½ |
| grade 4, dms., c.l., same basis | lb. | .40 | - — |
| l.c.l., same basis | lb. | .42½ | - .60 |

Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

| | | | |
|---|---|---|---|
| Lemon peel, bls. | lb. | .09 | - .10 |
| Licorice extract, mass, cs. | lb. | .17 | - .18 |
| powd., bbls. | lb. | .24 | - .25 |
| Root, bls. | lb. | .04½ | - .05 |
| powd., bbls., bxs. | lb. | .07 | - .08 |
| select, bndls., cs. | lb. | .16 | - .17 |

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.

| | | | |
|---|---|---|---|
| Bellefonte, Pa. | ton. | 7.00 | - — |
| Berkley, W. Va. | ton. | 7.50 | - — |
| Carey, Ohio | ton. | 7.00 | - — |
| Cedar Hollow, Pa. | ton. | 8.50 | - — |
| Crab Orchard, Tenn. | ton. | 6.25 | - — |
| Eagle Mountain, Va. | ton. | 7.00 | - — |
| Farnams, Mass. | ton. | 8.00 | - — |
| Gibsonburg, Ohio. | ton. | 7.00 | - — |
| Hannibal, Mo. | ton. | 6.50 | - — |
| Keystone, Ala. | ton. | 6.25 | - — |
| Knoxville, Tenn. | ton. | 6.25 | - — |
| Limedale, Ark. | ton. | 7.00 | - — |
| Longview, Ala. | ton. | 6.25 | - — |
| Manistique, Mich. | ton. | 8.00 | - — |
| Marblehead, Ohio. | ton. | 7.50 | - — |
| Martinsburg, W. Va. | ton. | 7.50 | - — |
| Menominee, Mich. | ton. | 8.00 | - — |
| Mitchell, Ind. | ton. | 6.50 | - — |
| Newala, Ala. | ton. | 6.25 | - — |
| Oranda, Va. | ton. | 7.00 | - — |
| Ripplemead, Va. | ton. | 7.00 | - — |
| Riverton, Va. | ton. | 7.00 | - — |
| Scioto, Ohio. | ton. | 6.50 | - — |
| Sheboygan, Wis. | ton. | 7.00 | - — |
| Sherwood, Wis. | ton. | 7.50 | - — |
| Springfield, Mo. | ton. | 7.00 | - — |
| Woodville, Ohio. | ton. | 7.00 | - — |
| York, Pa. | ton. | 7.00 | - — |

hydrated, paper bgs., f.o.b.,

| | | | |
|---|---|---|---|
| Bellefonte, Pa. | ton. | 8.50 | - — |
| Berkley, W. Va. | ton. | 8.50 | - — |
| Buffalo, N. Y. | ton. | 10.00 | - — |
| Carey, Ohio. | ton. | 8.50 | - — |
| Cedar Hollow, Pa. | ton. | 8.00 | - — |
| Crab Orchard, Tenn. | ton. | 9.00 | - — |
| Eagle Mountain, Va. | ton. | 9.00 | - — |
| Farnams, Mass. | ton. | 8.50 | - — |
| Gibsonburg, Ohio. | ton. | 8.50 | - — |
| Hannibal, Mo. | ton. | 8.50 | - — |
| Keystone, Ala. | ton. | 9.00 | - — |
| Knoxville, Tenn. | ton. | 9.00 | - — |
| Le Roy, Minn. | ton. | 10.00 | - — |
| Limedale, Ark. | ton. | 9.00 | - — |
| Longview, Ala. | ton. | 9.00 | - — |
| Louisville, Ky. | ton. | 14.50 | - — |
| Manistique, Mich. | ton. | 9.50 | - — |
| Marblehead, Ohio. | ton. | 8.50 | - — |
| Martinsburg, W. Va. | ton. | 8.50 | - — |
| Mitchell, Ind. | ton. | 9.00 | - — |
| Newala, Ala. | ton. | 9.00 | - — |
| Oranda, Va. | ton. | 8.50 | - — |
| Pelham, Ala. | ton. | 9.00 | - — |
| Potoskey, Mich. | ton. | 9.00 | - — |
| Port Island, Mich. | ton. | 9.00 | - — |
| Rapid City, S. D. | ton. | 12.00 | - — |
| Ripplemead, Va. | ton. | 9.00 | - — |
| Scioto, Ohio. | ton. | 8.00 | - — |
| Sherwood, Wis. | ton. | 9.00 | - — |
| Siluria, Ala. | ton. | 9.00 | - — |
| Springfield, Mo. | ton. | 9.00 | - — |
| Woodville, Ohio. | ton. | 8.50 | - — |
| York, Pa. | ton. | 8.50 | - — |

spray, paper bags, f.o.b. Bellefonte, Pa.

| | | | |
|---|---|---|---|
| | ton. | 9.00 | - — |
| Carey, Ohio. | ton. | 11.00 | - — |
| Farnams, Mass. | ton. | 9.50 | - — |
| Gibsonburg, Ohio. | ton. | 11.00 | - — |
| Marblehead, Ohio. | ton. | 11.00 | - — |
| Oranda, Va. | ton. | 9.00 | - — |
| Scioto, Ohio. | ton. | 10.00 | - — |
| Woodville, Ohio. | ton. | 11.00 | - — |
| York, Pa. | ton. | 9.00 | - — |

Lime salts (see Calcium)

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex.

| | | | |
|---|---|---|---|
| | lb. | .07¼ | - .08½ |
| dms., same basis | lb. | .10½ | - — |
| 400 lbs., or more, bgs., same basis | lb. | .07¾ | - .08¾ |
| dms., same basis | lb. | .11 | - — |
| less than 400 lbs., same basis, | lb. | .08½ | - .09½ |
| dms., same basis | lb. | .12 | - — |
| solution, zone 1, dms., consumer. | gal. | .16 | - — |
| Zone 2, tanks, dealers, wks., | gal. | .03½ | - — |
| 30-50 dms | gal. | .11 | - .15 |
| Zone 3, tanks, dealers, dlvd., | gal. | .11¾ | - — |
| 30-50 dms | gal. | .14 | - .16 |
| Zone 4, tanks, dealers, wks., | gal. | .08 | - — |
| dms., c.l. and l.c.l. | gal. | .13 | - .14 |
| Zone 5, tanks, dealers, dlvd., | gal. | .10¼ | - — |
| c.l. and l.c.l. | gal. | .13 | - .14 |
| Zone 6, tanks, dealers. | gal. | .07¼ | - — |
| 30-50 dms | gal. | .09 | - .12 |

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany Surry, Stokes, and Rockingham.

| | | | |
|---|---|---|---|
| Linalool, cns. | lb. | 2.10 | - 2.30 |
| Linalyl acetate, cns., 25 lbs. | lb. | 1.85 | - 2.00 |
| Linden flowers, with leaves, bls. | lb. | .28 | - .30 |
| without leaves, bls. | lb. | .17 | - .18 |
| Linseed cake, bgs., export | ton. | 31.50 | - — |
| Meal, 34%, dom., bgs. | ton. | 42.00 | -43.00 |
| Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore and Wash. | lb. | .0660 | - — |
| dlvd., other points | lb. | .0635 | - — |
| 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. | lb. | .07 | - — |
| Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash. | lb. | .07½ | - — |
| Colo., Mont., N. Mex., Wyo. | lb. | .07 | - — |
| other points | lb. | .06¾ | - — |
| smaller lots, dlvd., Ala., etc. | lb. | .07½ | - — |
| Ariz., etc. | lb. | .08 | - — |
| Colo., etc. | lb. | .07¾ | - — |
| other points | lb. | .07½ | - — |
| Lithium bromide, bbls., 100 lbs., works, frt. equal'd. | lb. | 1.90 | - — |
| 50 lbs., works | lb. | 1.93 | - — |
| 25 lbs., works | lb. | 1.95 | - — |
| Carbonate, 250-lb., bbls. | lb. | 1.25 | - — |
| 100-lb. kgs. | lb. | 1.30 | - — |
| Chloride, 25-lb. jars | lb. | 1.65 | - 1.70 |
| Citrate, 250-lb. bbls. | lb. | 1.40 | - — |
| 25-lb. dms. | lb. | 1.45 | - — |
| 100-lb. kgs. | lb. | 1.40 | - — |
| Iodide, 5-lb. bots. | lb. | 4.85 | - — |
| 25-lb. jars | lb. | 4.70 | - — |
| Fluoride, bbls. | lb. | 2.10 | - 2.25 |
| Lithopone, dom., high-strength, bgs., 20 tons, dlvd., E. or ex whse. Pac. Cst. | lb. | .05¾ | - — |
| smaller lots, same basis | lb. | .05¼ | - — |
| bbls., 20 tons, same basis, | lb. | .05¾ | - — |
| smaller lots, same basis | lb. | .06¼ | - — |
| ordinary, bgs., 20 tons, same basis | lb. | .04¼ | - — |
| smaller lots, same basis | lb. | .04¾ | - — |
| bbls., 20 tons, same basis, | lb. | .04¾ | - — |
| smaller lots, same basis | lb. | .04¾ | - — |
| titanated, bgs., 20 tons, same basis | lb. | .05¾ | - — |
| smaller lots, same basis | lb. | .05¾ | - — |
| bbls., 20 tons, same basis, | lb. | .05¾ | - — |
| smaller lots, same basis | lb. | .06¼ | - — |
| Liverwort leaves, bls. | lb. | .22 | - .23 |
| Lobelia herb, bls. | lb. | .11 | - .12 |
| Seed, bgs. | lb. | .35 | - .36 |
| Logwood extract, cryst., bbls. | lb. | .18 | - .24 |
| liquid, 51°, bbls. | lb. | .09½ | - .11¼ |
| solid, bxs. | lb. | .15 | - .19 |
| Lovage root, dom., bls. | lb. | .55 | - .65 |
| import, bls. | lb. | .40 | - .45 |
| Lupulin, N.E., tins | lb. | 1.25 | - 1.50 |
| Lycopodium, cs. | lb. | .93 | - .95 |

# M

| | | | |
|---|---|---|---|
| Mace, Banda, cs. | lb. | .50 | - .51 |
| Batavia, cs. | lb. | .34½ | - .35 |
| Siauw, 1, cs. | lb. | .46 | - .47 |
| Madder, Dutch, bbls. | lb. | .22 | - .25 |
| Magnesia arsenate, dms. | lb. | .18 | - .20 |
| Calcined, tech., USP, bbls., works. | lb. | .29 | - — |
| Carbonate, tech., Zone 1, bgs., c.l. | lb. | .06¼ | - — |
| l.c.l. | lb. | .07 | - — |
| bbls., c.l. | lb. | .07¼ | - — |
| l.c.l. | lb. | .08 | - — |
| kgs., c.l. | lb. | .08¾ | - — |
| l.c.l. | lb. | .09¼ | - — |
| USP, Zone 1, bbls., c.l. | lb. | .08¼ | - — |
| l.c.l. | lb. | .09 | - — |
| kgs., c.l. | lb. | .09¾ | - — |
| l.c.l. | lb. | .10¼ | - — |

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. Zone 2, balance of U. S. C.l., shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l shipm'ts, frt. alld. including dlvd. store-door Magnesia prices are f.o.b., Plymouth meeting house.

| | | | |
|---|---|---|---|
| Chloride, flake, dom., bbls., wks., c.l. | ton. | 32.00 | - — |
| l.c.l., bbls., wks. | ton. | 39.00 | -42.00 |
| Hypophosphite, cns., 100 lbs. | lb. | 1.45 | - — |
| 25 lbs. | lb. | 1.50 | - — |
| Oxide (see Calcined). | | | |
| Palmitate, bbls. | lb. | .33 | Nom. |
| Peroxide, 15%, dms., works. | lb. | 1.00 | - 1.35 |
| Silicate (see Talc). | | | |
| Silicofluoride, bbls. | lb. | .09½ | - .10½ |
| Stearate, bbls., ctns., c.l. | lb. | .21 | - — |
| ton | lb. | .22 | - — |
| 1,000-2,000 lbs. | lb. | .23 | - — |
| smaller lots | lb. | .24 | - — |
| Sulphate (see Epsom salt). | | | |
| Magnesite, cal., dom., bgs. | ton. | 56.00 | -60.00 |
| import, bbls. | ton. | 60.00 | -65.00 |
| dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash. | ton. | 25.00 | - — |
| Magnesium hydroxide, medicinal, bbls., 200 lbs. | lb. | .25 | - — |
| dms., 25 lbs. | lb. | .30 | - — |
| kgs., 100 lbs. | lb. | .26 | - — |
| Trisilicate, cs., 500-lb. lots. | lb. | .53 | - — |
| 100-lb. lots | lb. | .55 | - — |
| cns. | lb. | .75 | - .80 |
| Malva flowers, black, bls. | lb. | .35 | - .45 |
| blue, bls. | lb. | .35 | - .45 |
| Leaves, bls. | lb. | .11 | - .12 |
| Manaca root, bls. | lb. | .20 | - .21 |
| Mandrake root, bls. | lb. | .10 | - .11 |
| Manganese acetate, dms. | lb. | .26½ | — |
| Arsenate, bgs. | lb. | .12 | - .12½ |
| Borate, tech., bbls. | lb. | .15 | - .16 |
| Carbonate, bbls. | lb. | .19 | - — |
| Chloride, bbls. | lb. | .07½ | - .07¾ |
| Dioxide, Caucasian, 85-90%, bbls., c.l., works. | ton. | 51.50 | - — |
| l.c.l., 5 tons, works. | ton. | 54.50 | - — |
| smaller lots, works. | ton. | 59.50 | - — |
| burlap bgs., c.l., works. | ton. | 49.25 | - — |
| l.c.l., 5 tons, works. | ton. | 52.25 | - — |
| smaller lots, works. | ton. | 57.25 | - — |
| paper bgs., c.l., works. | ton. | 47.50 | - — |
| l.c.l., 5 tons, works. | ton. | 50.50 | - — |
| 84-87% bgs., 28-40 tons, wks. | ton. | 54.50 | - — |
| 5-15 tons, wks. | ton. | 57.50 | - — |
| ½-4 tons, wks. | ton. | 62.50 | - — |
| 300-600 lbs., wks. | ton. | 72.50 | - — |
| Glycerophosphate, bbls., kgs., 1,000-lb. lots. | lb. | 2.01 | - — |
| smaller lots | lb. | 2.71 | - — |
| cns., 25 lbs. | lb. | 2.83 | - — |
| solut., djns., 1,000-lb. lots, | lb. | .61 | - — |
| smaller lots | lb. | .71 | - — |
| cns., 25 lbs. | lb. | .81 | - — |
| Hydrate, bbls., dlvd. | lb. | .82 | - — |
| Iodide, bots., 5 lbs. | lb. | 5.45 | - — |
| jars, 25 lbs. | lb. | 5.30 | - — |
| Linoleate, liquid, 4%, dms. | lb. | .18 | - .19½ |
| solid, precip., 8.2%, bbls. | lb. | .19 | - — |
| Ore, 50-52% basis, bbls., c.l., Atl. ports. | unit-ton | 30.00 | -32.00 Nom. |
| Resinate, fused, 3½%, bbls. | lb. | .08¼ | - .08½ |
| precip., dms. | lb. | .12 | - — |

Manganese, sulphate, anhyd., bbls., works..lb. .07 - .07½
cryst., 65%, $MnSo_4$, bgs., c.l., dlvd, South..ton.48.75 - —
l.c.l., bgs.....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt...ton.23.00 - —
Manna flake, large, cs.....lb. .45 - .46
small, cs.....lb. .21 - .22
Mannitol, reagent, pure cryst., cs., works..lb. 1.15 - 1.20
commercial, cryst., bbl., ton lots..lb. .49 - —
smaller lots .....lb. .62 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .16 - .16½
Tunisan, bls.....lb. .15 - .15½
Matico leaves, bls.....lb. .23 - .24
Menthol, USP, natural, cs.....lb. 3.10 - 3.20
synthetic, tech., cs.....lb. 2.25 - —
USP, cs. .....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .....lb. .77 - —
25 lbs. .....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs. .....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs. .....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs., lb. 3.55 - —
cns., 25 lbs.....lb. 3.60 - —
fib., dms., 100 lbs.....lb. 3.50 - —
yellow, bots., 5 lbs.....lb. 3.80 - —
cns., 25 lbs.....lb. 3.65 - —
fib., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Mercury, oxide red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.31 - —
USP, fib. dms., 50 lbs. or more..lb. 1.33 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½in...pkg. 1.70 - 1.80
Gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅛ in.....pkg.22.50 -23.00
3⅞x5⅛ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroaniliin, kgs. .....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.40 - 1.45
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs. ...lb. .65 - —
Methanol, natural, denat. grade, tanks..gal. .35.- —
97%, tanks .....gal. .32 - —
95%, tanks .....gal. .31 - —
Methyl acetone, tanks.....gal. .25 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums, car lots.

pure, synth, dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd., gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .50 - —
Zone 1, frt. alld.....gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo. N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans. La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Aris., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .07¼- —
W. of Miss. R.....lb. .08¼- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .07¾- —
W. of Miss. R.....lb. .08¾- —
tanks, dlvd., E. of Miss. R. lb. .06¼- —
W. of Miss. R.....lb. .07¼- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
l.c.l., dlvd. E. of Miss. R..lb. .08 - —
W. of Miss. R. .....lb. .09 - —
tanks, dlvd. E. of Miss. R., lb. .06½- —
W. of Miss. R. .....lb. .07½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, tanks.....gal. .36 - —
Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl, acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies.....gal. .38 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
Zone 4.....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt., alld. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .45 - —
4.....gal. .605 - —
tanks, Zone 1, frt. alld. E. of Rockies.....gal. .315 - —
2, ft. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dels., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y. N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Aris., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Methyl alcohol, (see Methanol).
Anthranilate, bots. .....lb. 2.10 - 2.80
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl. .....lb. .60 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 30-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 2.45 - 2.75
Formate, dms. .....lb. .35 - .36
Lactate, dms., l.c.l., dlvd..lb. .30 - —
Iodide, bots.....lb. 3.68 - 3.83
Salicylate, dms.....lb. .35 - .37
cns .....lb. .37 - .40
Violet toner, bbls.....lb. .38 - —
permanent, bbls. .....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.90
imp, bots.....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Methylethyl ketone, dms., c.l., frt., pd., E. of Rocky Mts..lb. .06 - —
l.c.l., same terms.....lb. .06½- —
tanks, same terms.....lb. .05 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee...ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works. ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs., extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1, quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs. works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04¾- —
paper, wall or coated, bgs., c.l., frt. all., E..lb. .04¼- —
l.c.l., ex-whse., or frt. all., E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex-whse., or frt. alld., E..lb. .04¼- —
wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed roller, bbls., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
spray, bbls., c.l.....lb. .06½- —
l.c.l. .....lb. .07½- —
unskimmed, roller bbls., c.l.lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- —
Millet seed, yellow, bgs.....lb. .0335- .0350
early fortune, bgs.....lb. .02½- .02½
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P. naphtha).
Molasses, blackstrap, tanks..gal. .06½- —
New Orleans.....gal. .06 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .55 - —
Monobutylamine, dms., c.l., works..lb. .62 - —
l.c.l. .....lb. .65 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylaniliin, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd. .....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs. .....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs. .....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns.....lb. .80 - .85
Leaves, bls. .....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.25 - —
5 lbs. to 75 lbs.....lb. 3.50 - —
1 lb. .....lb. 3.65 - —
ketone, cns., 100 lbs. or more. lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb. .....lb. 3.80 - —
xylol, cns., 100 lbs., or more, lb. 1.00 - —
5 lbs. to 75 lbs.....lb. 1.10 - —
1 lb. .....lb. 1.25 - —
Musk root, bls.....lb. .12 - .13
Mustard seed, Bombay, brown, bgs..lb. .04½- .04¾
California, brown, bgs.....lb. .06¾- .07
Chinese, yellow, bgs.....lb. .05¾- .08½
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .08 - .08½
English, yellow, bgs.....lb. .09 - .09½
Hungarian, yellow, bgs....lb. .08 - .08½
Roumanian, yellow, bgs....lb. .05¾- .06
Myrobalans, J1, bgs., shipt...ton.24.00 - —
J2, bgs., shipt.....ton.17.00 - —
R2, bgs., shipt.....ton.17.25 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼
solid, 50% bbls.....lb. .04¾- —
powdered, 70% bbls.....lb. .05¾- —

## N

Naphtha, Painters' (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 - —
bgs., bbls., l.c.l., works, 100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works.. 100 lbs. 2.50 - —
bgs., bbls., l.c.l., works.. 100 lbs. 2.75 - 2.85
import, bgs., Atl, port.100 lbs. 1.85 -
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .05¾- —
50-lb., cs., same basis..lb. .06 - —
pkgs. (16 oz.), same basis, lb. .06½- —
(12 oz.) same basis..pkg. .05¼- —
Chipped, crushed, bbls., same basis..lb. .05¼- —
rice, cryst., powd., bbls., same basis..lb. .05¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .37½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb., tins.....lb. .86½- —
Nitreake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
ester-soluble, lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammom., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk., f.o.b. Carrollville, Wis., dlvd.....unit-ton. 2.20 - —
f.o.b. Chemical, Ill., unit-ton. No prices
East Coast producing points..unit-ton. 2.50 Nom.
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.50 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Alleppo, bgs., cs....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19 - .19½
110s, bgs., cs.....lb. .16 - .16½
West Indian, bgs.....lb. .10 - .10½
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

## O

Oakbark extract, 25% tan., bbls., c.l., wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10¼- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, bots.....lb. 2.25 - 2.30
s.p.s., bots.....lb. 2.40 - 2.45
sweet, true, exp., cns.....lb. .62 - .66
Amber, crude, cns.....lb. .16 - .17
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.45.00 -52.00
seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .70 - .75
Apricot kernel, cns.....lb. .23 - .23
Babassu, tanks .....lb. .06½ Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.20 - 1.25
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.26 - 1.30
natural, coppers .....lb. 3.65 - 3.85
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .16 - .17
rectified, cns. .....lb. .60 - .65
Bois de rose, Brazil, cns....lb. 1.55 - 1.60
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar)
Cajeput, tech., dms.....lb. .42 - .45
USP IX, cns. .....lb. .48 - .50

## Manganese—Oil, Lavender

Oil, calamus, cns.....lb. 3.60 - 4.25
Camphor, sassafrassy, cns...lb. .30 Nom.
dms. .....lb. .27 Nom.
white, cns.....lb. .29 Nom.
dms. .....lb. .27 Nom.
Cananga, native, cns.....lb. 1.25 - 1.30
rectified, cns.....lb. 1.80 - 1.85
Capsicum (oleoresin), N. F. VI, cns..lb. 2.00 - 2.05
Caraway, USP, cns.....lb. 1.80 - 1.85
Cardamom, bots. .....lb.15.00 -27.00
Cassia, USP, cns., dms.....lb. .95 - 1.00
Castor, blown, one-way dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12 - —
Medicinal, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
cns. (1-gal.), l.c.l.....lb. .13½- —
dms. (returnable), c.l. ...lb. .09½- —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l. .....lb. .11½- —
tanks .....lb. .09 - —
No. 3, bbls., c.l.....lb. .09¼- —
l.c.l. .....lb. .10 - —
dms. (returnable), c.l.....lb. .09 - —
l.c.l. .....lb. .09¾- —
tanks .....lb. .08½- —

Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ⅝c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50% (48% fat), dms., c.l..lb. .06¼- .06¾
l.c.l. .....lb. .07¼- .08¾
75% (63% fat), dms., c.l..lb. .09 - .09½
l.c.l. .....lb. .10 - .10½
80% (68% fat), dms., c.l..lb. .09½- .10½
l.c.l. .....lb. .10½- .11
Cedarleaf, cs. .....lb. .62 - .63
dms. .....lb. .56 - .58
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns., dms.....lb. .18¼- .23
Celery, bots.....lb. 7.50 - 8.75
Chaulmoogra, USP, cns., 500 lbs., lb. .72½- —
25 lbs. .....lb. .75 - —
Chinawood, dms. .....lb. .15½Nom.
tanks .....lb. .15 Nom.
Cinnamon, Ceylon, bots.....lb. 8.50 -25.00
Seychelle, bots. .....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .34 - .35
dms. .....lb. .32 - .33
Java, cns., dms.....lb. .34 - .36
Clove, makers, USP, cns.....lb. .98 - —
dms. .....lb. .95 - —
Coconut, Manila, crude, tanks, lb. .03¼- —
Pac. Cst.....lb. .02¾- .02¾
edible, 76° tax incl., dms., (returnable), c.l..lb. .08¼- —
l.c.l. .....lb. .08½- —
tanks .....lb. .07¼- —
Cod, Newfoundland, shipt., tanked, bbls..gal. .35 Nom.
Norwegian, shipt., bbls...gal. .26 - .28
Codliver, med., U.S.P., Norwegian, bbls..bbl.26.00 -27.00
Coriander, bots.....lb.13.50 -20.00
Corn, crude, tanks, works....lb. .03½- .06¾
refd., bbls. .....lb. .09¼- .09¾
Cottonseed, dom., cooking, bbls..lb. .08¾- —
salad, bbls.....lb. .09 - —
import, Brazilian, semi-refd., bulk..lb. .0430 Nom.
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.50 - 2.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.75 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 2.70 - 3.00
weed, bots.....lb. 3.75 - 3.80
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.55
Eucalyptus, cns.....lb. .35 - .37
dms. .....lb. .33 - .35
Fennel, sweet, cns.....lb. 1.10 - 1.15
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .85 - .90
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. .95 - —
Tuesday .....bbl. .95 - —
Wednesday .....bbl. .95 - —
Thursday .....bbl. .95 - —
Friday .....bbl. .95 - —
Saturday .....bbl. .95 - —
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test.....bbl. 1.10 - 1.15
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .03 - —
2, bulk, same basis.....gal. .04¼- —
4, bulk, same basis.....gal. .04½- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¼- .03½
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03¾- .03¼
36-38 .....gal. .03¾- .03¾
38-40, straw.....gal. .03¾- .03¾
38-40 zero, 60 s.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04¼- —
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02¾- .03
Oklahoma, bulk .....gal. .02¾- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 2.85 - 3.50
Bourbon, cns.....lb. 2.50 - 2.85
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.90 - 2.00
Grapeseed, dms.....lb. .40 - .60
Ginger, dist., bots. .....lb. 5.25 - 5.50
Guaiac wood, concrete, bots.lb. 2.65 - 2.90
Hariem, import., bots....gross 3.15 - 3.25
Halibut-liver, dms. 1,000 A unit gal. .75 - 1.00
Hemlock, cns.....lb. .60 - .65
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lb. dms..lb. .39 - .40
cns. .....lb. .41 - .44
Lard, common, 1, bbls.....lb. .08¾- —
2, bbls. .....lb. .08½- —
extra, bbls. .....lb. .09 - —
1, bbls. .....lb. .09 - —
Winter, strained, extra, bbls., lb. .09¼- —
prime burning, bbls.....lb. .10 - —
prime, ed., bbls.....lb. .10¼- —
ined., bbls. .....lb. .09¾- —
Laurel, bots .....lb. 6.25 - 6.50
Lavandin, cns., 25 lbs.....lb. 1.95 - 2.05
Lavender flower, French, 50% ester, cns..lb. 4.50 - 4.75
38-42% ester, cns.....lb. 3.95 - 4.25
35-38% ester, cns.....lb. 2.75 - 3.00
30-32% ester, cns.....lb. 2.00 - 2.25
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.06 - 1.10
dms. .....lb. .95 - 1.10

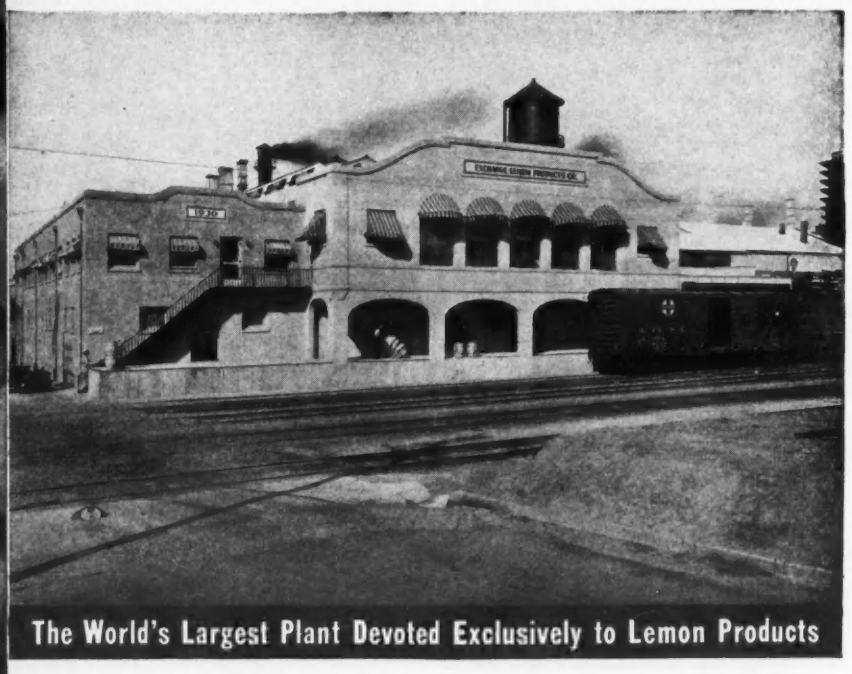
## Oil, Lemon—Orange, Mineral

| | | |
|---|---|---|
| Oil, lemon, Calif., cns. | lb. | 2.50 - — |
| Messina, coppers, cns. | lb. | 3.10 - 4.00 |
| Lemongrass, native, cns., dms., | lb. | .34 - .36 |
| Lime, dist., Mexican, cns. | lb. | 3.25 - 3.30 |
| West Indian, cns. | lb. | 3.75 - 4.00 |
| expressed, cns. | lb. | 7.50 - 7.75 |
| Linaloe wood, cns. | lb. | 1.25 - 1.30 |
| Linseed, boiled, bbls., c.l. | lb. | .0890- .0910 |
| l.c.l., 5 or more | lb. | .0930- .0950 |
| less than 5 | lb. | .0970- .0990 |
| tanks | lb. | .0830- .0850 |
| double boiled, bbls., less than | lb. | .0990- .1010 |
| raw, bbls., c.l. | lb. | .0850- .0870 |
| l.c.l., 5 or more | lb. | .0890- .0910 |
| less than 5 | lb. | .0930- .0950 |
| tanks | lb. | .0790- .0810 |
| Lovage, bots. | lb. | 41.25 -60.00 |
| Lubricating, at refinery (including U.S. tax 4c. per gal.):— | | |
| California, green, 70, 80, 100, vis., dms. | gal. | .20 - — |
| 140 vis., dms. | gal. | .25 - — |
| green, pale, 750, 900 vis., dms. | gal. | .26 - — |
| green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms. | gal. | .26 - — |
| Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks. | gal. | .18½- — |
| 15-25 pour, tanks. | gal. | .17½- — |
| 150-160 D, color, 4½, 0-10 pour, tanks. | gal. | .20 - — |
| 15-25 pour, tanks. | gal. | .19 - — |
| 150-160 E, color 5½, 15-25 pour, tanks. | gal. | .18½- — |
| 190-200 D, color 4¼, 15-25 pour, tanks. | gal. | .23 - — |
| 200-210 E, 15-25 pour, tanks. | gal. | .22 - — |
| Oil, lubricating, Oklahoma, neutrals, 0-10 pour, 150 vis., 3 color, tanks. | gal. | .13 - — |
| 180 vis., 3 color, tanks, | gal. | .14 - — |
| 4 color, tanks. | gal. | .13½- — |
| 200 vis., 3 color, tanks, | gal. | .14½- — |
| 4 color, tanks. | gal. | .14 - — |
| 250 vis., 3 color, tanks, | gal. | .15½- — |
| 4 color, tanks. | gal. | .15 - — |
| 280 vis., 3 color, tanks, | gal. | .16½- — |
| 4 color, tanks. | gal. | .16 - — |
| 300 vis., 3½ color, tanks, | gal. | .17 - — |
| 350 vis., same basis. | gal. | .17½- — |
| 400 vis., same basis. | gal. | .18 - — |
| 500 vis., same basis. | gal. | .18½- — |
| 600 vis., same basis. | gal. | .19 - — |
| 15-25 pour prices are ½c. per gallon higher than zero to 10° pour. | | |
| Penn., bright, 600 cold test, 10-15 pour, tanks. | gal. | .18 - — |
| cylinder, 600 fire, tanks, | gal. | .11½- — |
| 600 flash, tanks. | gal. | .14 - — |
| 630 flash, tanks. | gal. | .17 - — |
| 635 fire, tanks. | gal. | .12½- — |
| 650 fire, tanks. | gal. | .13½- — |
| Warren, E, amber, tanks, | gal. | .15 - — |
| neutral, 150 vis., 3 color, tanks. | gal. | .18 - — |
| 180 vis., 3 color, tanks. | gal. | .18½- — |
| 200 vis., 2 color, tanks. | gal. | .20 - — |
| spot, Penna., bright, bbls., c.l., f.a.s. | gal. | .22 - — |
| unfiltered, 600 s.r. | bbls. | .20 - — |
| 600 flash, s.r., bbls., c.l., f.a.s. | gal. | .21 - — |
| 630 s.r., bbls., c.l., f.a.s., | gal. | .20½- — |
| Oil, lubricating, spot, Penna., unfiltered, Warren, E, bbls., c.l., f.a.s. | gal. | .20 - — |
| smaller lots, f.o.b. | gal. | .21 - — |
| Mace, dist., cns., dms. | lb. | 1.20 - 1.25 |
| Mandarin, superior, coppers. | lb. | 5.75 - 6.00 |
| Menhaden, crude, tanks, f.o.b. Balto. | gal. | .32 Nom. |
| refd., alkali, dms. | lb. | .0770-.0790 |
| tanks | lb. | .0710- — |
| blown, dms. | lb. | .0770-.0790 |
| kettle-boiled, dms. | lb. | .0860-.0880 |
| light, pressed, dms. | lb. | .0710-.0730 |
| tanks | lb. | .0650- — |
| Mineral, white (see Oil, white mineral). | | |
| Mustard, artif., USP, cns. | lb. | 1.65 - 1.70 |
| dist., natural, bots. | lb. | 8.50 - 9.00 |
| expressed, bbls. | gal. | .65½- .70 |
| Neatsfoot, 20° cold test, bbls., | lb. | .15½- — |
| extra, bbls. | lb. | .09 - — |
| 1, bbls. | lb. | .08¾- — |
| pure, bbls. | lb. | .10¾- — |
| prime, bbls. | lb. | .09 - — |
| sulphonated, common, 25% moisture, dms. | lb. | .10½- — |
| Neroli, bots. | lb. | 85.00 - 140.00 |
| Nutmeg, USP, cns., dms. | lb. | 1.20 - 1.25 |
| Oiticica, dms. | lb. | .11 - .11¼ |
| Oleo, 1, bbls. | lb. | .08½- — |
| 2, bbls. | lb. | .07¾- — |
| Olibanum, bots. | lb. | 5.00 - 5.25 |
| Olive, denat., bbls. | lb. | .92 - .95 |
| edible, bbls. | gal. | 1.75 - 2.00 |
| foots, bbls. | lb. | .07½- .07¼ |
| sulphonated, 50% (43% fat), dms., c.l. | lb. | .11¼- .12 |
| l.c.l. | lb. | .12¼- .13 |
| 75% (63% fat), dms., c.l. | lb. | .13½- .14 |
| l.c.l. | lb. | .14¼- .15 |
| 80% (68% fat), dms., c.l. | lb. | .14½- .15 |
| l.c.l. | lb. | .15½- .16 |
| Orange sweet, dist., cs. | lb. | .50 - — |
| expressed, African, cns., dms. | lb. | .80 - .85 |
| Calif., cns. | lb. | .75 - — |
| Messina, USP, coppers. | lb. | 2.25 - 3.25 |
| West India, cns. | lb. | 1.75 - 1.85 |
| Oil, origanum, cns. | lb. | .90 - 1.60 |
| Orris, Florentine, concrete, extra strong bots. | oz. | 4.75 - 5.50 |
| Palm, Niger, cnks. | lb. | .03¾- .03¾ |
| shipment | lb. | .03 - — |
| softs, 12½%, bulk, shipt. | lb. | 0290- — |
| 20%, bulk, shipt. | lb. | .0280- — |
| Sumatra, shipt., bulk. | lb. | .02¾ Nom. |
| Palmarosa, cns. | lb. | 2.00 - 2.25 |
| Palmkernel, bulk, shipt. | lb. | .0340 Nom. |
| Paraffin, 320° flash, 60-70 vis., tanks, G. 3. | gal. | .05¼- — |
| 330° flash, 70-80 vis., tanks, G. 8. | gal. | .05½- — |
| 80-85 vis., bbls., extra, ind. refy. | gal. | .12 - — |
| 350° flash, 100-105 vis., bbls., extra, ind. refy. | gal. | .14 - — |
| 360° flash, 100-110 vis., tanks, G. 3. | gal. | .05¾- — |
| Patchouli, bots., cns. | lb. | 3.75 - 4.10 |
| Peanut, crude, dom., tanks. | lb. | .06¾- .06¾ |
| refd., edible, bbls. | lb. | .10 - .10¼ |
| Pennyroyal, dom., cns. | lb. | 2.10 - 2.15 |
| import, cns. | lb. | 1.90 - 2.00 |
| Peppermint, natural, cns., dms., | lb. | 2.15 - 2.45 |
| redist., USP, cns., dms. | lb. | 2.35 - 2.65 |
| Perilla, dms. | lb. | .09¾- .10 |
| tanks | lb. | .0920-.0940 |
| Petitgrain, Paraguay, cns. | lb. | .82½- .90 |
| Pimento berry, cns. | lb. | 3.35 - 3.65 |
| leaf, cns. | lb. | 2.30 - 2.40 |
| Pine, dest.-dist., straw-color, dms., dlvd., E. ports. | gal. | .46 - .48 |
| steam-dist., dms. | gal. | .59 - — |
| tanks | gal. | .54 - — |
| Pineneedle, Siberian, cns. | lb. | .95 - 1.00 |
| Putty, bbls., El Segundo, Richmond, Cal. | gal. | .22½- — |
| contracts | gal. | .19½- — |
| Whiting, Ind. | gal. | .28 - — |
| dms., c.l., Bost., Provid. | gal. | .25 - — |
| l.c.l., same basis. | gal. | .27 - — |
| tanks, same basis. | gal. | .18 - — |
| Martines, Cal. | gal. | .28 - — |
| Rapeseed, blown, bbls. | lb. | .14 - .14½ |
| denat., bbls. | lb. | .80 - .82 |
| Red, dist. or saponif. bbls., dlvd. | lb. | .07¾ Nom. |
| dms., dlvd. | lb. | .07¼ Nom. |
| tanks, dlvd. | lb. | .06½ Nom. |
| white, dms. | lb. | .10¼ Nom. |
| Rose, artif., bots. | oz. | 2.00 - 8.00 |
| natural, coppers | oz. | 5.25 -22.50 |
| Rosemary, Spanish, cns. | lb. | .56 - .75 |
| dms. | lb. | .51 - .70 |
| Rosin, 1st rectfd., dms. | gal. | .45 - — |
| 2d rectfd., dms. | gal. | .47 - — |
| 3d rectfd., dms. | gal. | .51 - — |
| Rue, bots. | lb. | 3.95 - 4.00 |
| Sage, cns. | lb. | 1.50 - 1.55 |
| Sandalwood, E.I., USP, cns. | lb. | 4.75 - 4.80 |
| Sardine, crude, tanks, Pac. Cst. | gal. | .31 Nom. |
| refd., alkali, dms. | lb. | .0770-.0790 |
| tanks | lb. | .0710- — |
| kettle-boiled, dms. | lb. | .0860-.0880 |
| light, pressed, dms. | lb. | .0710-.0730 |
| tanks | lb. | .0650- — |
| Sassafras, artif., cns. | lb. | .36 - .37 |
| dms. | lb. | .34 - .35 |
| natural, cns., dms. | lb. | .90 - 1.00 |
| Savin, cns. | lb. | 1.60 - 1.65 |
| Savory, cns. | lb. | 2.00 - 2.25 |
| Sesame, refd., dms. | lb. | .10½ Nom. |
| Shingle stain, bbls., c.l., wks. | gal. | .19 - — |
| l.c.l., works. | gal. | .21 - — |
| tanks, works. | gal. | .14 - — |
| Snakeroot, Canada, cns. | lb. | 9.50 -10.00 |
| Soybean, dom., rude, dms. | lb. | .0635- .0700 |
| tanks | lb. | .05¾- .05⅞ |
| refd., dms. | lb. | .0755- .0825 |
| tanks | lb. | .0675- .0685 |
| Spearmint, USP, cns. | lb. | 1.70 - 1.75 |
| Sperm, bleach, 38°, dms. | lb. | .1000- .1020 |
| 45°, dms. | lb. | .0930- .0950 |
| natural, dms. | lb. | .0880- .0900 |
| Spruce, cns., dms. | lb. | .60 - .65 |
| Sweet, birch, North, cns. | lb. | 2.25 - 3.50 |
| South, cns. | lb. | 1.85 - 2.00 |
| Tall, crude, dms., c.l., works, | ton. | 45.00 - — |
| l.c.l., works. | ton. | 50.00 -65.00 |
| tanks, works. | ton. | 35.00 - — |
| refined, dms., c.l., works. | lb. | .05½- — |
| l.c.l., works. | lb. | .06 - — |
| tanks, works. | lb. | .05 - — |
| Tallow, acidless, bbls. | lb. | .08½- — |
| tanks | lb. | .08 - — |
| Tansy, cns. | lb. | 6.75 - 7.00 |
| Tar, coml. dms., c.l., dlvd., E. cities. | gal. | .26 - — |
| E. ports. | gal. | .25 - — |
| l.c.l. | gal. | .26 - — |
| tanks, dlvd. E. cities. | gal. | .20 - — |
| rectfd., USP, bbls., dlvd., E. ports. | gal. | .50 - — |
| Tar acid (see T). | | |
| Teaseed, crude, dms. | lb. | .08¼ Nom. |
| Tea Tree (see Oil, ti tree). | | |
| Thyme, NF, red, dms. | lb. | .85 - 1.25 |
| white, dms. | lb. | .85 - 1.45 |
| Tung (see Oil, chinawood). | | |
| Ti tree, cns. | lb. | 2.50 - 3.00 |
| Turkey red (see Oil, castor, sulphonated). | | |
| Turpentine (see T). | | |
| Turtle, cns. | gal. | 4.25 - 5.00 |
| Valerian, bots. | lb. | 8.00 - 8.25 |
| Vetiver, bots. | lb. | 3.50 -15.00 |
| Walnut, crude, dms. | lb. | .13 - .13¼ |
| refd., dms. | lb. | .14 - .14 |
| Whale, refd., natural, dms. | lb. | .0770- .0790 |
| winter, bleach, dms. | lb. | .0810- .0830 |
| Wheat germ, phar., cns., dms. | gal. | 22.50 -30.00 |
| feedstuff, cns., dms. | gal. | 17.50 -25.00 |
| White, mineral, doms., tech., 50-60 vis., dms. | gal. | .40 - — |
| 65-75 vis., dms. | gal. | .42 - — |
| 80-90 vis., dms. | gal. | .43 - — |
| USP, 80-90 vis., dms. | gal. | .46 - — |
| 95-105 vis., dms. | gal. | .53 - — |
| 125-135 vis., dms. | gal. | .60½- — |
| 140-150 vis., dms. | gal. | .64 - — |
| 175-185 vis., dms. | gal. | .68½- — |
| 200-210 vis., dms. | gal. | .70½- — |
| 320-330 vis., dms. | gal. | .76 - — |
| 335-345 vis., dms. | gal. | .77 - — |
| Russian, 80-90 vis., dms. | gal. | .46 - — |
| 145-155 vis., dms. | gal. | .64½- — |
| 175-185 vis., dms. | gal. | .68½- — |
| 335-345 vis., dms. | gal. | .77 - — |
| Wintergreen, natural, North, cns. | lb. | 4.00 - 8.00 |
| South, cns. | lb. | 3.05 - 3.75 |
| synth (see Methyl salicylate). | | |
| Wood (see Oil, chinawood). | | |
| Wormseed, cns. | lb. | 2.00 - 2.25 |
| Wormwood, cns. | lb. | 2.20 - 2.30 |
| Ylang-ylang, Bourb., bots., cns., | lb. | 3.00 - 3.50 |
| Manila, bots. | lb. | 18.00 -24.00 |
| Olivine, aggregate, c.l., mines, | ton. | 5.00 - 8.00 |
| Lumps, same basis. | ton. | 7.00 - — |
| Spalls, same basis. | ton. | 5.00 - — |
| ground, 200 mesh, c.l., mines, | ton. | 15.00 - — |
| 20 mesh to dust. | ton. | 10.00 - — |
| Opium, USP, cns. | lb. | 11.50 -12.50 |
| gran., cns. | lb. | 12.50 -13.50 |
| powd., cns. | lb. | 12.50 -13.50 |
| Orange, Lake, Persian, bbls. | lb. | .30 - .45 |
| Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. | lb. | .10½- — |

*By more than 2 to 1*

**AMERICA'S FAVORITE OIL OF LEMON**

*continues to be Exchange Brand*



The World's Largest Plant Devoted Exclusively to Lemon Products

FROM rich California lemons, cold pressed and clarified, comes Exchange Brand Oil of Lemon, U.S.P.—with the flavor that pleases the American taste.

It is uniform always, in all characteristics. Nowhere in all the world is the production controlled so exactingly.

True flavor. Uniformity. Exceptional dependability. A fair price. There you have the reasons why Exchange Brand Oil of Lemon, U. S. P. is far and away America's favorite Lemon Oil.

Exchange
OIL OF LEMON
U. S. P. CLARIFIED

*Sold to the American market exclusively by*

FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK CITY

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK CITY

*Distributors for*

CALIFORNIA FRUIT GROWERS EXCHANGE
Products Department, Ontario, California
Producing Plant: EXCHANGE LEMON PRODUCTS CO., Corona, California

Copr., 1938, Products Dept., California Fruit Growers Exchange.

Orange, mineral, Amer., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11 - —
Colo., Mont., N. M., Wyo..lb. .10¾- —
Other points .....lb. .10¼- —
smaller lots, dlvd., Ala., etc..lb. .11 - —
Ariz., etc.....lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¼- —
Other points .....lb. .10¾- —
French, Tours, casks, ex dock, lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .30 - —
Orangeflower petals, cs.....lb. .33 - .35
Orange peel, bitter, bls.....lb. .08 - .09
sweet, bls. .....lb. .13 - .14
Orris root, Florentine, bgs.....lb. .10 - .11
fingers, cs.....lb. .85 - .90
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .09 - .10
powd., bxs., cs.....lb. .12 - .13
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroaniliin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works.lb. .16½- —
l.c.l., same basis.....lb. .17¼- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .08 - —
Orthodichlorobenzene, l.c.l., same basis..lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies lc. per lb. higher.
Orthonitroaniiin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .08 - —
Orthotoluenehydrochloride, dms.lb. .22 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .16 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls.....lb. .08 - —
51°, bbls.....lb. .60 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

## P

Papain, powd., cs.....lb. 1.20 - 1.25
Paprika, Hungarian, extra fancy, bgs..lb. .37 - .38
medium, bgs.....lb. .35 - .37
Spanish, extra fancy, cs.....lb. .50 Nom.
Para-aminoacetanilide, kgs....lb. .85 Nom.
Parachlorophenol, dms.....lb. .45 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .02¼- —
bbls., c.l., N. Y.....lb. .0230- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .02¼- —
bbls., c.l., N. Y.....lb. .0235- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02¼ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .03¾- —
loose, c.l.....lb. .0355- —
125-127 A.m.p., bgs., c.l..lb. .0390- —
loose, c.l.....lb. .0370- —
128-130 A.m.p., bgs., or loose, c.l..lb. .04 - —
131-133 A.m.p., bgs., or loose, c.l..lb. .0435- —
133-135 A.m.p., bgs., or loose, c.l..lb. .0465- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0490- —
138-140 A.m.p., bgs., or loose, c.l..lb. .0565- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0660- —
151-153 A.m.p., bgs., or loose, c.l..lb. .08½- —
refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is .05c. lower.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .02½- .02⅝
semirfd., solid, 122-124 A.m.p., bgs..lb. .02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., dlvd..lb. .16 - —
5 and 10 gal. dms., dlvd., lb. .17 - —
USP, cs, cbys.....lb. .37 - .45
Paranitroaniiin, kgs., works...lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., lb. .23 - .25
less car lot, same basis.lb. .24 - .26
Passion flower, herb, bls.....lb. .07½- .08
Patchouli leaves, bls.....lb. .18 - .20
Pellitory root, bls.....lb. .16 - .17
Pennyroyal herb, bls.....lb. .07 - .08
leaves, bls. .....lb. .14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3 .....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .14 - —
l.c.l., G.3 .....gal. .25 - —
Pepper, black, Alleppy, bgs....lb. .07¼- .07⅝
Lampong, bgs.....lb. .04½- .04⅝
Tellicherry, bgs. .....lb. .08⅝- .09
Red, chillies, Japan, 1, bgs..lb. .20½- .21
Mombasa, bgs.....lb. .22 - .22½
White, Java, Muntok, bgs...lb. .07½- .07½
Saigon, bgs.....lb. .07⅛- .07⅛
Peppermint leaves, dom., bls..lb. .23 - .24
import, bls. .....lb. .45 - .46
Peru, balsam, dms.....lb. .65 - .70
Petrolatum, amber, bbls., c.l..lb. .02⅝- .02⅝
l.c.l. .....lb. .03⅝- .03⅝
extra, bbls.....lb. .02⅞- .03
l.c.l. .....lb. .03⅞- .04⅛
cream (see white, cream).
green (see red).
red, veterinary, bbls., c.l.....lb. .02½- —
l.c.l. .....lb. .05⅝- .06⅛
lily, bbls., c.l.....lb. .05¼- —
l.c.l. .....lb. .06⅝- .07⅛
snow, bbls., c.l.....lb. .06¼- —
l.c.l. .....lb. .07⅝- .08⅛
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .95
Athens .....bbl. .84 - 1.00
Belridge .....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Canal-Greely .....bbl. .91 - 1.68
Coalinga .....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Dominguez .....bbl. .79 - 1.00

Petroleum, crude, bulk, at wells; California:—
East Coyote.....lb. .76 - .96
Elk Hills .....bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.43
El Segundo.....bbl. .80 - 1.21
Huntington Beach.....bbl. .78 - 1.22
Inglewood .....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Kern River.....bbl. .70 - —
Kettleman Hills.....bbl. 1.19 - 1.43
La Habra.....bbl. .76 - .96
Lakeview .....bbl. .70 - 1.38
Lost Hills.....bbl. .70 - 1.18
McKittrick .....bbl. .70 - —
Midway-Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello .....bbl. .77 - 1.43
Mt. Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall .....bbl. .70 - —
Orcutt .....bbl. .70 - .98
Olinda Brea.....bbl. .76 - 1.27
Playa del Rey, f.o.b. pipe-line .....bbl. .80 - 1.16
Richfield .....bbl. .76 - 1.09
Rosecrans .....bbl. .84 - 1.66
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Maria.....bbl. .63 - .70
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence .....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .85
Whittier .....bbl. .76 - .96
Wilmington .....bbl. .75 - 1.21
Canada:—
Oil Springs .....bbl. 1.97 - —
Petrolia .....bbl. 1.90 - —
Central West:—
Illinois .....bbl. 1.05 - —
Lima .....bbl. .90 - —
Midland (Mich.).....bbl. 1.12 - —
Princeton .....bbl. 1.05 - —
East Texas.....bbl. 1.10 - —

Petroleum, crude, bulk, at wells, East Texas:—
Gulf Coast:—
Barber's Hill.....bbl. .79 - 1.16
Batson .....bbl. .74 - 1.04
Dayton .....bbl. .95 - 1.41
Esperson .....bbl. .79 - 1.16
Goose Creek.....bbl. .79 - 1.38
Hull .....bbl. .74 - 1.04
Humble .....bbl. .74 - 1.04
Liberty .....bbl. .79 - 1.16
Markham .....bbl. .90 - 1.29
Orange .....bbl. .79 - 1.16
Pettus .....bbl. 1.29 - —
Pierce Junction.....bbl. .95 - 1.41
Refugio (incl. Greta, Taft, Saxet)..bbl. .79 - 1.38
Saratoga .....bbl. .74 - 1.04
Sour Lake.....bbl. .74 - 1.04
Spindle Top.....bbl. .74 - 1.04
Sugarland .....bbl. .79 - 1.28
West Columbia.....bbl. .79 - 1.28
Kentucky, Tennessee:—
Kentucky river.....bbl. 1.12 - —
Kentucky river.....bbl. 1.20 - —
Western Kentucky (Owensboro)..bbl. 1.19 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .73 - 1.05
Caddo .....bbl. .73 - 1.05
Cameron Meadows.....bbl. .74 - 1.13
Choctaw .....bbl. .74 - 1.20
Cotton Valley.....bbl. .73 - 1.05
Darrow .....bbl. .74 - 1.20
De Soto .....bbl. .73 - 1.05
El Dorado.....bbl. .73 - 1.05
Haynesville .....bbl. .73 - 1.05
Homer .....bbl. .73 - 1.05
Iowa .....bbl. .74 - 1.13
Lockport .....bbl. .74 - 1.13
Miller County.....bbl. .73 - 1.05
Pine Island.....bbl. .73 - 1.05
Rainbow .....bbl. .73 - 1.05
Rodessa .....bbl. .73 - 1.05
Smackover .....bbl. .73 - —
Tepetate .....bbl. 1.05 - —
Urania .....bbl. .89 - —

Petroleum, crude, bulk, at wells, Louisiana-Arkansas:—
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. No prices
Tuxpan .....bbl. No prices
Midcontinent:—
North Texas.....bbl. .63 - 1.10
Oklahoma-Kansas .....bbl. .63 - 1.10
Pennsylvania, Ohio West Virginia:—
Bradford-Allegany ....bbl. 1.08 - —
Corning .....bbl. .97 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.18 - —
Eureka lines.....bbl. 1.28 - —
N. Y. Transit lines. bbl. 1.08 - —
S. W. Penn. lines..bbl. 1.24 - —
lower district in National Transit lines.bbl. 1.56 - 1.61
Rocky Mountain:—
Big Muddy.....bbl. .93 - —
Canon City-Florence...bbl. .90 - —
Cat Creek.....bbl. 1.10 - —
Dutton Creek.....bbl. .86 - 1.10
Elk Basin.....bbl. .90 - —
Fort Collins-Wellington, bbl. .81 - 1.05
Frannie, light.....bbl. .45 - .52
Grass Creek, light.....bbl. .90 - —
Iles .....bbl. .92 - .96
Lance Creek.....bbl. .77 - —
Lander .....bbl. .51¼- —
Midway .....bbl. .86 - 1.10
Rock Creek.....bbl. 1.00 - —
Salt Creek.....bbl. .86 - 1.10
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.30 - —


# 5 Advantages of SKELLYSOLVE AS a Lacquer Diluent

*by* A. ERNEST MACGEE

*Manager Skellysolve Division, Skelly Oil Company*

IN working with our friends in the paint, lacquer and varnish industry to provide solvents that fit their needs exactly, we've found five big advantages in the Skellysolve line—all important to you.

The first advantage is *uniformity*. You can depend on Skellysolve being the same month after month. There is no need to change formulas with each shipment when you rely on Skellysolve, so you save trouble and money.

The second advantage is—*no greasy residues*. Drying is complete and rapid, with minimum gum formation. Advantage number three is—*close boiling ranges*, some as low as 15° F. from initial to dry flask end point. Skellysolve's close boiling ranges remain constant, in storage and in formulas, and tendency to fractionate is cut to the minimum. Advantage number four is—*low evaporation losses*. This saves you money, reduces fire hazard and tendency to blush.

And advantage number five is Skellysolve's *uninterrupted supply*. We have the raw materials. We're in the business to stay. You can count on getting Skellysolve for years to come, and we've seen how important that is when we've rushed to the rescue of people whose source of supply has failed them.

You see, Skelly pioneered in the development of dependable, uniform, special naphthas. And we're still pioneering in close cuts, constant uniformity, rigid quality-control. So, whatever type or price of solvent you need, I'm sure it'll pay you to give us a call.

*Write or wire for information or prices without delay*

# SKELLYSOLVE

*Skellysolve is shipped to you in cars used for no other purpose. This prevents any possibility of contamination or mixture with other materials*

SOLVENTS DIVISION
Skelly Oil Co., 4814 S. Richmond St.,
CHICAGO

## Petroleum—Potash, Bicarb.

Petroleum, crude, bulk, at wells, South, Central and Southwestern Texas:—
Caan County ..... bbl. .75 - 1.05
Cleveland-Liberty ..... bbl. 1.14 - —
Conroe ..... bbl. 1.27 - —
Darst Creek ..... bbl. .96 - —
Hardin-Liberty ..... bbl. 1.00 - 1.02
Luling ..... bbl. .87 - —
Lytton Springs ..... bbl. .99 - —
Mirando (incl. Duval) ..... bbl. .74 - 1.33
Panola County ..... bbl. .73 - 1.03
Salt Flat ..... bbl. .96 - —
Tomball ..... bbl. .95 - 1.41
Van ..... bbl. .93 - —
West Beaumont ..... bbl. .79 - 1.28
Texas Panhandle:—
Carson-Hutchinson counties, ..... bbl. .67 - 1.01
Gray County ..... bbl. .73 - 1.06
West Texas:—
Artesia, N. M. ..... bbl. .61 - .85
Crane ..... bbl. .53 - .95
Crockett ..... bbl. .53 - .95
Estes ..... bbl. .53 - .95
Eddy (N. M.) ..... bbl. .77 - —
Howard ..... bbl. .53 - .95
Jackson, N. M. ..... bbl. .61 - .85
Lea, N. M. ..... bbl. .53 - .95
Maljamar, N. M. ..... bbl. .61 - .85
Mitchell ..... bbl. .53 - .95
Pecos ..... bbl. .63 - .87
Upton ..... bbl. .53 - .95
Winkler ..... bbl. .53 - .95
Ether, 30-60°, dms., c.l., G. S. ..... gal. .14 - —
l.c.l., G.3 ..... gal. .25 - —
tanks, G.3 ..... gal. .13 - —
35-60°, dms., l.c.l., G.3 ..... gal. .30 - —
40-75°, dms., c.l., G.3 ..... gal. .14 - —
l.c.l., G.3 ..... gal. .25 - —
tanks, G.3 ..... gal. .13 - —
Petroleum, ether, laboratory grade, dms., c.l., G.3. gal. .14 - —
c.l., G.3 ..... gal. .25 - —
10-gal. lots, G.3 ..... gal. .50 - —
Lacquer, diluent, at refinery:—
California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles ..gal. .11 - —
San Francisco ..gal. .11½- —
f.o.b. Richmond ....gal. .11 - —
Willbridge, Ore., Pt. Wells, Wash ..gal. .12 - —
East Coast, tanks ..... gal. .12 - .12½
Group 3, tanks ..... gal. .07⅝- .07⅞
Naphtha, cleaners', at refinery:—
East Coast, tanks ..... gal. .10 - —
Group 3, tanks ..... gal. .06⅝- .06⅞
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport ..... gal. .13½- —
Chicago, inc. 4c. tax ..gal. .17½- —
Decatur, inc. 4c. tax ..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .162 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax ..gal. .208 - —
Newark, ex tax ..... gal. .12 - —
New York, ex tax ..... gal. .12 - —
Omaha, ex tax ..... gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax ...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .15 - —
Syracuse, 150 gals ..... gal. .14 - —
smaller lots, galv. drums, gal. .10 - —
milk cans ..gal. .21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway ..... gal. .16 - —
2, over 90% arom., same basis ..gal. .18 - —
Petroleum, naphthas, high-solvency, 8, tanks, f.o.b. Bayway ..gal. .13 - —
8, tanks, f.o.b. Paulsboro, N. J. ..gal. .14 - —
30, same basis ..... gal. .16 - —
40, same basis ..... gal. .14½- —
V. m. & p., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo ..gal. .11 - —
Richmond ..gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash ..gal. .12 - —
54-57, 190 l.b.p., 310 e.p. tanks, dlvd. Los Angeles ..gal. .10 - —
San Francisco ..gal. .10½- —
Portland, Seattle ..... gal. .11 - —
East Coast, tanks ..... gal. .09½- —
Group 3, tanks ..... gal. .06⅝- .06⅞
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax ..gal. .16½- —
Decatur, inc. 4c. tax ..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax ..gal. .208 - —
Newark, ex tax ..... gal. .11 - —
New York, ex tax ..... gal. .10½- .11
Omaha, ex tax ..... gal. .144 - .154
Philadelphia, ex tax ...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .16 - —
Solvent, rubber, at refinery, East Coast, tanks ...gal. .09½- .10
Group 3 light, 129 l.b.p., 250 e.p., tanks ..gal. .06⅝- .06⅞
standard, 180 l.b.p., 288 e.p., tanks ..gal. .06⅝- .06⅞
Stoddard (CS 3-38), at refinery:—
East Coast, tanks ..... gal. .10 - —
Group 3, tanks ..... gal. .05⅞- .06⅛
Petroleum, solvent, Stoddard, tankwagon, Boston, ex tax ..gal. .12½ - .13⅛
Chicago, inc. 4c. tax ..gal. .159 - —
Decatur, inc. 4c. tax ..gal. .184 - —
Des Moines, inc. 4c. tax.gal. .182 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax.gal. .196 - —
Minneapolis-St. Paul, inc. 5c. tax ..gal. .177 - —
Newark, ex tax ..... gal. .09½- .11½
New Orleans, ex tax ..gal. .11 - —
New York, ex tax ..... gal. .09½- .11½
Omaha ..... gal. .131 - .14
Philadelphia, ex tax ...gal. .10½- .12½
St. Louis, inc. 1c. tax.gal. .139 - —
Tulsa, ex tax ..... gal. .10 - .11
Thinners, at refinery:—
California, 34, 225 l.b.p., 390 e.p., low aniline, 6,000 gal. tanks or transport trucks f.o.b. Los Angeles ..gal. .15 - —
Portland, Ore ..... gal. .16 - —
Richmond ..... gal. .14½- —
Seattle, Wash ..... gal. .16½- —
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond ..... gal. .10 - —
Southern Calif ..... gal. .09½- —
56, 290 l.b.p., 390 e.p., tanks, f.o.b. El Segundo, gal. .11 - —
Portland, Ore ..... gal. .12 - —
Richmond ..... gal. .11½- —
Seattle, Wash ..... gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks ..... gal. .09½- .10
New Jersey, tanks ..... gal. .08½- —
Group 3, tanks ..... gal. .05⅝- .05⅞
Tankwagon, tax included:—
Albany ..... gal. .13 - —
Baltimore (100 gals.) ..gal. .12½- .15½
25-99 gals ..... gal. .13½- .15½
Boston ..... gal. .12½- .13½
Bound Brook, North Amboy, N. J ..gal. .11½- .13½
Bridgeport, Conn ..... gal. .11½- —
Buffalo ..... gal. .12½- —
Camden, N. J ..... gal. .10 - .12
Chicago ..... gal. .162 - —
Decatur, Ill ..... gal. .184 - —
Des Moines ..... gal. .182 - —
Evansville, Ind ..... gal. .137 - .147
Milwaukee ..... gal. .196 - —
Minneapolis-St. Paul ..gal. .198 - —
Newark ..... gal. .09 - —
New York (200 gals.) ..gal. .09½- .11
Omaha ..... gal. .131 - .141
Philadelphia ..... gal. .10 - —
Pittsburgh ..... gal. .12 - .14
Providence ..... gal. .12½- .13½
Rochester ..... gal. .12 - —
St. Louis ..... gal. .15 - —
Syracuse ..... gal. .14 - —
Trenton ..... gal. .11½- .14
Wilmington, Del ..... gal. .11½- .13½
Phenobarbital, bots., 5 lbs ..... lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs lb. 4.00 - —
cns., 25 lbs ..... lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald ..lb. .14½- .15½
l.c.l., same basis ..... lb. .15½- .16¾
under 1,000 lbs ..... lb. .16½- .17¾
tanks, works ..... lb. .13½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots ..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
Yellow, fib., dms., 2000-lb. lots., lb. .80 - —
100-lb. fib., dms ..... lb. .82 - —
25-lb. dms. ..... lb. .87 - —
50-lb. kgs. ..... lb. .84 - —
Phenyl chloride, dms ..... lb. .17 - —
Phenylacetaldehyde, bots ..... lb. 2.10 - 3.50
Dimethylacetate, cns. ..... lb. 14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works ..lb. 4.00 - —
commercial, kgs., works ..lb. 1.50 - —
pure, bbls., works ..... lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works ..... lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 70% min., bulk, mines ..long ton. 4.35 - —
land pebble, 68% min., bulk, mines ..long ton. 1.90 - —
70% min., bulk, mines long ton. 2.15 - —
72% min., bulk, mines .... long ton. 2.40 - —
75% basis, 74% min., bulk mines ..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines ..long ton. 5.50 - —
Phosphorus, red, cs. ..... lb. .40 - .44
yellow, dms ..... lb. .18 - .20
cases ..... lb. .23 - .25
oxychloride, cyls ..... lb. .15 - .18
Pentoxide, dms., c.l., works, lb. .11 - .12
l.c.l., dms., wks ..... lb. .13 - .14
Sesquisulphide, cs ..... lb. .38 - .42
Trichloride, cyls ..... lb. .15 - .16
Phthalamide, bbls., tons ..... lb. .35 - —
single bbls ..... lb. .40 - —
kgs. ..... lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R ..lb. .14½- —
l.c.l., same basis ..... lb. .15½- —
Pichi leaves, bgs ..... lb. .14 Nom.
Pilocarpine hydrochloride, bots., vis ..oz. 2.40 - 2.50
Nitrate, bots., vis ..... oz. 2.90 - 3.00
Pimento, bgs ..... lb. .14½- .15
Pinkroot, bls. ..... lb. .35 - .36
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works ..ton. 19.00 - —
l.c.l. ..... ton. 22.00 - —
hardwood, 1-time, dms., c.l., dlvd. Akron ..ton. 23.75 -24.00
linseed, dms. ..... lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls. ..... lb. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls. ..... lb. .11 - .12
Podophyllin, dms., dlvd., E. of Miss ..lb. 4.50 - 4.70
Poke root, bls. ..... lb. .07½- .08
Pomegranate bark, bgs ..... lb. .16 - .17
Root bark, bgs ..... lb. .32 - .33
Poppy flowers, red, bls ..... lb. .70 - 1.00
Seed, Dutch, bgs ..... lb. .0825- .0850
Polish, bgs ..... lb. .0810- .0840
Potash abietate ..... lb. .09 - —
Acetate, tech., bbls., dlvd ..lb. .29 - —
kgs., dlvd. ..... lb. .28 - —
USP, bbls., 250 lbs ..... lb. .28 - —
kgs., 100 lbs. ..... lb. .30 - —
cns., 25 lbs. ..... lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs ..lb. .11 - —
demj., 50 lbs. ..... lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs. .15 - —
kgs., 100 lbs ..... lb. .17 - —
gran., bbls., 250 lbs ..... lb. .15 - —
kgs., 100 lbs ..... lb. .17 - —

"I'm sorry, mamma, I thought you said 'panful', not 'handful'."

We all make mistakes but you can never go wrong if you just say

**"NIAGARA CAUSTIC POTASH"**

*You can't go wrong either, on Niagara Caustic Soda and Carbonate of Potash.*

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Niagara

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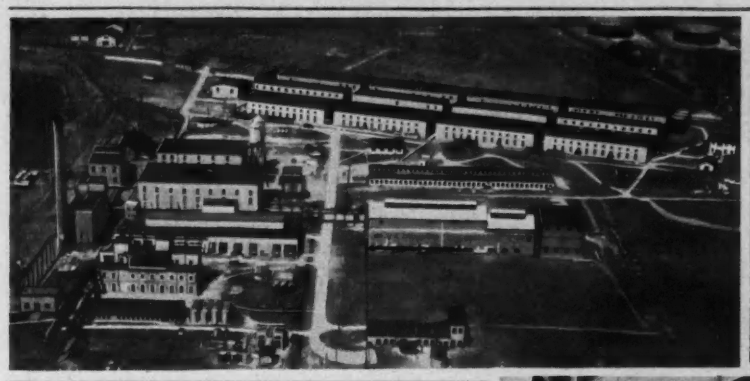
USI SOLVENT NEWS USI

*Reg. U. S. Pat. Off.*

January ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1939

# U.S. INDUSTRIAL CHEMICALS, INC. NEW NAME FOR U.S.I. SUBSIDIARY



## EFFECTIVE JAN. 1

### Indicates Further Extension Of Activities In Chemical Field

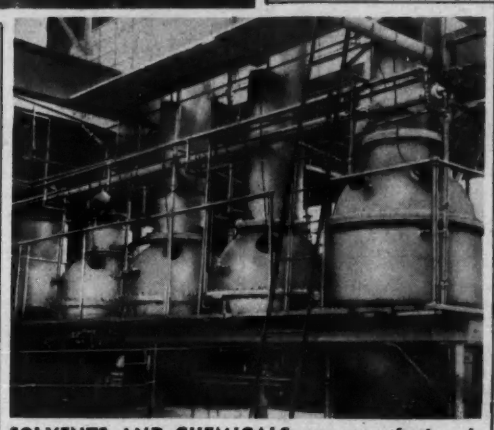
President C. S. Munson announces that since Jan. 1, 1939, all manufacturing and selling activities of the U. S. Industrial Alcohol organization, with the exception of resins, are being conducted by U. S. Industrial Chemicals, Inc., a wholly owned subsidiary, formerly known as U. S. Industrial Alcohol Sales Co., Inc. This change of name designates more accurately the present nature of the U.S.I. organization's business and reflects also its greatly widened scope in the chemical field. The same organization and plant facilities will continue to serve U.S.I.'s customers as before.

**Expansion Since 1906**

U. S. Industrial Chemicals, Inc., today manufactures widely diversified chemical products and supplies them to virtually every important industry using such chemicals in its processes. The contrast with 1906, when U. S. Industrial Alcohol Co. was organized is sharp. Its sole product then was industrial alcohol. Today the U.S.I. organization manufactures and sells solvents, chemicals, resins, intermediates, anti-freeze, industrial alcohols (pure and denatured), and a vitamin concentrate for stock and poultry feedstuffs.

Upon its incorporation in 1906, U. S. In-

(*Continued on next page*)



**SOLVENTS AND CHEMICALS** are manufactured by U.S.I. at its 40-acre Curtis Bay, Md., plant (upper left). The aluminum stills pictured above are used in the production of synthetic resins at Newark, N. J. Not shown, but soon to begin production is U.S.I.'s cellulose acetate plant located at Baltimore, Md.

## Ethyl Formate Easily Removed from Resins to Make New Photo Films

ROCHESTER, N. Y.—What is probably a hitherto unsuspected solvent use for ethyl formate is revealed in a patent just issued to two inventors here.

It tells how polyvinyl formaldehyde acetal resins can be made into flowable compositions, easily adaptable to sheet and film manufacture, by dissolving them in ethyl formate. Previously, the patentees state, it was not practical to employ the resins in this manner because of their high solvent-retaining property.

Ethyl formate appears to be the only solvent which is not retained. In fact, the inventors declare, "its replacement with other solvents such as methyl acetate, ethyl acetate, propyl formate, ethylene chloride, etc., has been found to be unsatisfactory."

Polyvinyl formaldehyde acetal resins, the patent papers explain, may be prepared by

(*Continued on next page*)

## Blame Two Bacteria For Failure of Marine Paint

Failure of marine paints may be traced to the combined action of two varieties of bacteria, experiments in France indicate.

According to *Paint Manufacture* these experiments show that the bacteria form a double layer film which is actually harmful to the paint even though it prevents the formation of barnacles.

The experimenters explain that the outer layer of the film consists of *Bacteria subtilis* which would preserve the paint by protecting it against oxidation except that it fosters the growth of an inner layer of *Bacteria sporogenes* with the ability to produce oxygen and violently activitate oxidation of the paint. The net result is said to be premature aging and cracking.

### 200 Tons of Pigment

NEW YORK — Painting the buildings of the New York World's Fair 1939, which is being carried out in a plan following the tints of the rainbow, will require a total of 200 tons of pigment, Fair officials declare.

**U.S.I.'s original alcohol plant in 1906 (left). Today's Baltimore unit (above) is the largest of its kind. Other U.S.I. plants are located at New Orleans, La.; Anaheim, Calif.; Newark, N. J., and Chicago, Ill.**

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January ★ SOLVENT NEWS ★ 1939

## Uses Absolute Alcohol Medium for Production Of Laevo-Ascorbic Acid

BASEL, Switzerland—By employing acidified anhydrous alcohol as the reaction medium, commercial yields of pure laevo-ascorbic acid may be prepared from 2-keto-laevo-gulonic acid, or its hydrolyzable derivatives, an inventor of this city claims in a new U. S. patent.

In a typical procedure, 204 parts by weight of 2-keto-laevo-gulonic-methyl-ester are dissolved in 4000 parts by weight of absolute alcohol, and 120 parts by weight of hydrogen chloride passed into the solution, according to the patent. After boiling 4 hours under reflux, the mixture is crystallized under vacuum, soaked in butyl alcohol and washed with acetic acid and ether.

The remaining laevo-ascorbic acid may be further purified by crystallization from methanol, the inventor states.

## Manufacture of New Film Aided by Ethyl Formate

(*Continued from preceding page*)

reacting 2200 parts of polyvinyl acetal, 1745 parts ethyl acetate, 1625 parts ethyl alcohol (95%) and 788 parts of trioxymethylene, followed by suitable heating, agitation and purification.

A typical flowable composition may be obtained by dissolving 100 parts of resin in 400 parts of ethyl formate. While these compositions may be adapted to varnish manufacture, films and sheets prepared from them possess desirable properties for the support of light-sensitive photographic coatings, it is claimed.

Ethyl formate, which is manufactured by U.S.I., is a product of varied uses. It attracted attention early last year as one of the basic organic substances employed in the commercial synthesis of crystalline vitamin $B_1$.

It has been employed as a fumigant and larvacide, in flavoring and perfume bases, as well as in the manufacture of certain drug products. Some ethyl formate is used as a solvent for cellulose esters and ethers.

### Rubber Anti-Oxidants

LONDON, England — Anti-Oxidants for rubber are prepared by treating 2:2:4-trimethyl-1:2 dihydroquinoline (or the crude mixture obtained by the interaction of aniline and acetone) with an aqueous solution of a chloride, bromide or iodide of zinc, aluminum or iron, according to a patent issued here.

## *Proves Butyl Acetate Vapors Are Non-toxic*

TURIN, Italy—Evidence tending to support the non-toxic properties of butyl acetate vapors has been uncovered in experiments just completed here. Guinea pigs exposed to a concentration of 22 mg. per liter of butyl acetate in air developed no noticeable symptoms nor changes in the blood picture, a report states.

## New U.S.I. Name Indicates Diversity of Activities

(*Continued from preceding page*)

dustrial Alcohol Co. was the pioneer manufacturer of industrial alcohol in this country.

In 1917 U. S. Industrial Chemical Co., Inc., was organized by U.S.I. and immediately entered into the manufacture of acetic acid, acetone, methyl acetate, ethylene, ether and numerous other alcohol derivatives urgently required in the World War by Allied Governments and later by the United States. Today, the U.S.I. organization is the largest manufacturer of industrial alcohol and is also a major producer of chemicals and solvents derived from alcohol.

The most recent major step in widening the chemical activities of U.S.I. was its entry into the resin business. Early in 1938 it acquired the business of Robert Rauh, Inc., a leading manufacturer of synthetic resins, including modified and pure phenolics, alkyds, urea-formaldehydes and ester gums. Later in the same year, U.S.I. acquired Stroock & Wittenberg Corporation, well-known importers of natural resins and distributors of synthetic resins. All of U.S.I.'s resin activities are now conducted by Stroock & Wittenberg Corporation.

U. S. Industrial Chemicals, Inc., is beginning the manufacture of cellulose acetate at a new plant constructed for this purpose at Baltimore, Md.

### Effective Anti-oxidant

WILMINGTON, Del. — Aliphatic alcohols are effective anti-oxidants for petroleum-terpene hydrocarbon blends, an article published here in the *Hercules Chemist* states. As little as 1% of ethyl alcohol by volume is protection for a period of about five months, and, unlike some anti-oxidants, will not cause discoloration, it is claimed.

## TECHNICAL DEVELOPMENTS

*Further information on these items may be obtained by writing to U.S.I.*

**Rubber latex combined with granulated cork** and selected fillers is now available for use as a flooring material for steel, concrete, masonry or wood composition surfaces. Applied with a trowel, it forms a resilient, non-slippery surface that resists wear and reduces noise, according to the manufacturer. **(No. 170)**

U S I

**Two new flameproofing materials** for textiles, paper and paper products, do not cause stiffening or yellowing or otherwise adversely affect the handle or appearance, the manufacturer announces. Superior penetration and after-glow prevention, as well as greater efficiency on a weight basis, are claimed. **(No. 171)**

U S I

**Removal and re-use without marking the surface** is claimed for labels backed with a new non-drying gum said to adhere instantly, without moistening, to fabrics and smooth, non-porous surfaces such as glass, metal, plastics, etc. The labels will withstand exposure to the sun and are non-corrosive, the manufacturer claims. **(No. 172)**

U S I

**Ready-mixed aluminum paint** which does not skin over when the open container is exposed to air has been introduced, according to an announcement. The aluminum flakes have been made practically non-settling by a special treatment, the manufacturer claims. **(No. 173)**

U S I

**A new preservative** designed to replace benzoic acid, sodium benzoate or salicylic acid is said to be more effective in acid, alkaline or neutral conditions. It is described as a white, odorless, stable, non-toxic powder readily soluble in alcohol and in water. **(No. 174)**

U S I

**Galvanized surfaces can be painted** without paint peeling off if they have been previously treated with a new metal cleaner, an announcement states. The material is said to form a zinc phosphate film on the metal. **(No. 175)**

U S I

**A new latex adhesive** claimed to be effective on waxed and greasy surfaces is now available. Companion products include a quick-setting and nearly colorless waterproof cement with excellent aging qualities for rough surfaces and other varieties for smooth surfaces and protective and waterproof coatings, according to the manufacturer. **(No. 176)**

U S I

**Rapid and accurate weighing** in milligrams is possible with a new direct-reading torsion balance, according to the manufacturer. Balances with scales ranging from 0 to 3 milligrams and 0 to 2,000 milligrams are reported available. **(No. 177)**

U S I

**A new motor-driven laboratory mill** has a hand-operated screw feeder and five sizes of perforated screens, the manufacturer announces. The hammer action is said to give particles closely simulating those from large, commercial pulverizers. **(No. 178)**

U.S.I INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N.Y. U.S.I. BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

**ALCOHOLS**
Amyl Alcohol
Butyl Alcohol
Fusel Oil—Refined
Isopropyl Alcohol
Methanol

**Ethyl Alcohol**
Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

***ANSOLS**
Ansol M
Ansol PR

**ETHERS**
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

**KETONES**
Acetone, C.P.
Methyl Acetone

**INTERMEDIATES**
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Para-chlor-o-nitraniline
Sodium Ethyl Oxalacetate

**ESTERS, ACETATES**
Acetic Ether
Amyl Acetate
Butyl Acetate
Ethyl Acetate
Isopropyl Acetate

**ESTERS, PHTHALATES**
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

**ESTERS, ETHYL**
*Diatol
Diethyl Carbonate
Diethyl Maleate
Diethyl Oxalate
Ethyl Chlorocarbonate
*Registered Trade Mark
Ethyl Formate
Ethyl Lactate

**ESTERS, BUTYL**
Butyl Propionate
Dibutyl Maleate
Dibutyl Oxalate

**OTHER ESTERS**
Amyl Propionate
Dimethyl Maleate

**OTHER PRODUCTS**
Collodions
*Curbay Binders
*Curbay X (Dried Curbay)
Ethylene
Nitrocellulose Solutions
Potash, Agricultural
Urethane

Potash, bichromate, spot, c.l., works..lb. .08½- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
flb., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, dlvd.....lb. .02871/2- —
USP, gran., bbls., 325 lbs..lb. .13½- —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03¼- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs.....lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- .38½
Cyanide, cns., dms.....lb. .50 - .55
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots....lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —
Guaiacolsulphonate, flb., dms. 100 lbs. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns.... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.21 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.13 - —
bots., or cns.....lb. 1.22 - 1.43
dms. .....lb. 1.13 - 1.16
Kainit, 20% $K_2O$, bulk, c.l.f., ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30% $K_2O$, bulk, c.l.f. ports.....unit-ton. .58½- —
import, 30% $K_2O$, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .12 - .13½
Muriate, dom., all strengths, min., 50% $K_2O$ bulk, unit-ton. .53½- —
import, all strngths, min. 80% KCl, basis 50% $K_2O$, bulk, c.l.f. ports.. unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.l.f. ports. ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09 - .10¼
Permanganate, tech., dms.....lb. .18½- .19
Prussiate, red, bbls.....lb. .30½- .34
Yellow, bbls. .....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90% bgs., shipt., c.l.f. ports..ton. 38.00 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l. .....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipa. ton. 25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .12 - .13
Berries, bls.....lb. No stocks
Prince's pine herb, bls.....lb. .21 - .22
Propane, tanks, G.S.....gal. .06 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works...lb. .04 - —
Ital-grd., bgs., c.l., shipt. ex dock, N.Y..ton. 32.65 Nom.
l.c.l., 5-2y tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton. 40.70 - —
single bgs., ex whse. ton. 45.70 - —
Pumpkin seed, bgs.....lb. .09 - .10
Purple laks (see Red).
Putty, com'l, dms.....100 lbs. 3.60 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms.....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrum (Soil test) 55-gal. dms. (incl.) frt. alld.. E. of Rockies, standard brand..gal. 5.95 - —
basis (30 to 1) 2.0% pyrethrine 55-gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal. 8.90 - —
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .26 - .27
fine powd. Japan, bbls., ton lots frt. alld..lb. .27 - .28
Pyridin, denaturing, dms....gal. 1.63 - —
refd., 2°, dms. .....lb. .50 - —
Pyrites, Spanish, bulk, c.l.f. Alt. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst, works, flb, dms., tins..lb. 2.15 - 2.40
resublimed, flb. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l. mines..ton. 9.00 - —
325 mesh, same basis.....ton. 12.00 - —
No. 3, 200 mesh, c.l. mines. ton. 7.50 - —
325 mesh, same basis.....ton. 10.50 - —
Pyroxlin, scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —

Pyroxlin, scrap, shell-demi, cs., works..lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

## Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 55% tan, bbls., works..lb. .03¾- —
tanks, works.....lb. .02¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb 04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08½
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks, (76 lbs. net), dlvd., N.Y..flask. 77.00 -80.00
import, flasks, (76 lbs. net) in bond..flask. 64.00 - —
Quince seed, bgs.....lb. .80 - 1.00
Quinidine, cryst., small, cns...oz. .90 - —
large, cns. .....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns. .....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns. .....oz. .99 - —
Arsenite, cns. .....oz. 1.01 - —
Bisulphate, cns. .....oz. .54 - —
Citrate, cns. .....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns. .....oz. 1.01 - —
Formate, cns. .....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 Nom.
Hydrochlorosulphate, cns....oz. .75 - —
Hydrolodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns. .....oz. .82 - —
Salicylate, cns. .....oz. .75 - —
Sulphate, U.S.P. X, cns.....oz. .54 - —
U.S.P. XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns. .....oz. .57 - —
Tartrate, cns. .....oz. .97 - —
Valerate, cns. .....oz. .93 - —
Quinine-urea hydrochloride cns.oz. .75 - —

## R

R, salt, dry, bbls.....lb. .55 - —
paste, dms. .....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .06¼- .06½
Dutch, black, bgs.....lb. .06¼- .06½
red, bgs. .....lb. .06¼- .06¾
Japanese, bgs.....lb. .06 - .06¼
Raspberries, dried, bls.....lb. .36 - .38
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1½c.), Miss. N. C., S. C., Tenn., Tex (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works, lb. 2.50 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 4.15 - —
dms., 500-lb. lots.....lb. 4.00 - —
100-lb. lots .....lb. 4.10 - —
Crocus martis (see Red, purple oxide.)
Drain toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .06¾- —
80%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.50 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .68 - —
open order.....lb. .73 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake conracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 1.36 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½ -
l.c.l., works.....lb. .09¼- —

Red, oxide, reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y. lb. .06¼- —
50% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order .....lb. .80 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- .04¾
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kegs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs .....lb. 1.50 - 2.00
Scarlet ink toner, kgs, same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .03¾- .0390
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —

### Potash, Bichromate—Rosin

Red, vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 500 lbs..lb. 1.50 - —
smaller lots.....lb. 1.51 - 1.64
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., flb. dms., 50 lbs. or more..lb. 1.61 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots. .....lb. 5.75 - 6.75
Rhubarb root, cs.....lb. .35 - .38
powd., bbls., kgs.....lb. .40 - .41
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .17¾- —
smaller lots.....lb. .18¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .16¾- —
smaller lots.....lb. .17¼- —
Rose flowers, pale, bls.....lb. .45 Nom.
red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .06
Rosin, gum B, bbls., ex dock, 280 lbs. 4.95 - —
D, bbls.....280 lbs. 5.15 - —
E, bbls.....280 lbs. 5.25 - —
F, bbls.....280 lbs. 5.50 - —
G, bbls.....280 lbs. 5.60 - —
H, bbls.....280 lbs. 5.60 - —
I, bbls.....280 lbs. 5.62½- —
K, bbls.....280 lbs. 5.65 - —
M, bbls.....280 lbs. 5.75 - —
N, bbls.....280 lbs. 6.75 - —
W. G., bbls.....280 lbs. 7.15 - —
W. W., bbls.....280 lbs. 7.75 - —
X, bbls.....280 lbs. 7.75 - —

Here's the Waterproof Duck about to start quacking, Listen to him—he's an expert on packing.

© 1937, B. B. B. CO.

• • •

If you had to shiver in the snow and rain,
If you had to ride on a rickety train,

If you were jostled and jarred in a truck,
And slid in the mud and dumped in the muck,

If you were cracked—as I hope you're not—
And your contents spilled all over the lot,

If you had to sit in a cold, damp cellar,
Instead of being the buyer or seller,

If you were your product instead of the boss,
You'd want to be packed to avoid all loss.

**You'd get a Bemis Waterproof Bag—**

A bag that is proof against water and moisture,
And you'd be as snug as a pearl in an oyster.

For a Bemis Waterproof Bag is stout—
Nothing gets in and nothing gets out.

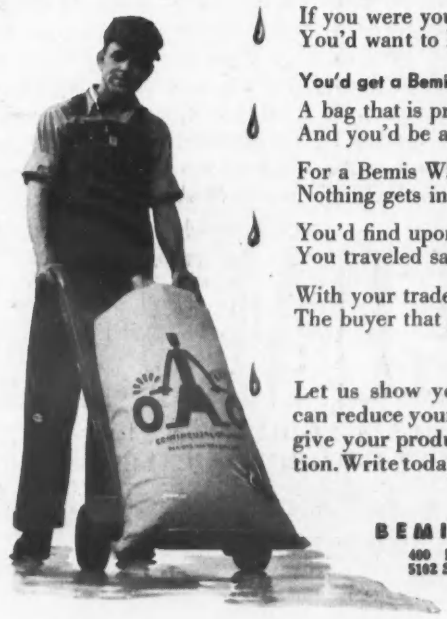
You'd find upon close examination
You traveled safe to your destination.

With your trademark tattooed right on your chest,
The buyer that got you would rank you the best.

• • •

Let us show you how Bemis *Waterproof* Bags can reduce your packing and shipping costs and give your products complete "en route" protection. Write today for information and sample bag.

Bemis 3-ply protection.
• Burlap or cotton cemented to siftproof paper with a flexible waterproof adhesive.



**BEMIS BRO. BAG CO.**
400 Poplar Street, St. Louis, Mo.
5102 Second Avenue, Brooklyn, N. Y.

### Rottenstone—Soda, Caustic

Rottenstone, dom., bgs., c.l., f.o.b. mines..ton 22.50 - —
l.c.l., f.o.b. mines.....ton 25.00 - —
import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .15 - .16

## S

Sabadilla seed, powd., bbls....lb. .18 - .19
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls. .....lb. .22 - .25
Saffron, Mexican, bls.....lb. .28 - .29
Spanish, tins.....lb. 26.00 -27.00
Safrol, cns. .....lb. .52 - .53
dms. .....lb. .50 - .51
Sage, Dalmatian, stemless....lb. .05⅝- .06
garden, bls. .....lb. .06½- .06¾
Sago flour, bgs.....lb. .02½- .03¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., 5lb. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs. .....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton 13.20 -13.80
l.c.l., bgs., dlvd., N.Y..ton 15.00 -15.60
vacuum, common, fine, bgs.,c.l., dlvd., N.Y..ton 15.30 - —
l.c.l., dlvd., N. Y.....ton 16.30 -21.00
Saltcake, grd., dom., bbls., works, ton 19.00 -25.00
bulk, works .....ton 15.00 - —
import, bulk, c.i.f.....ton 15.00 -16.00
Chrome (see Chrome cake)
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons .....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
Saltpeter, gran., bbls., 10-20 tons. 100 lbs. 6.50 - —
1-9 tons .....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....lb. 21.00 -22.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots, 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .38 - .40
Mexican, bls.....lb. .13 - .14
Sassafras, bark, ord., bls.....lb. .13 - .15
select, bls.....lb. .18 - .20
Savory, bbls. .....lb. .07⅝- .08
Saw palmetto berries, bgs.....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .13⅞- —
smaller lots.....lb. .14¾- —
kegs, 5,000 lbs., 1 shipm't..lb. .14¾- —
smaller lots.....lb. .14¾- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega, root, bls.....lb. .65 - .70
Senna leaves, Alexandria, bls..lb. .10 - .14
siftings, bls.....lb. .08½- .09
Tinnevelly, No. 1, bls.....lb. .09 - .10
2 bls.....lb. .07 - .08
3 bls.....lb. .04¾- .05½
powd., bbls., bxs.....lb. .09 - .10
Pods, bls.....lb. .05½- .06
Serpentaria root, bls.....lb. .70 - .75
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .19 - .20
dlvd. Boston.....lb. .19½- .20¼
Chicago .....lb. .19¾- .20¾
Pacific Coast.....lb. .22 - .23
refd., bbls., f.o.b. N.Y.....lb. .25 - —
dlvd. Boston.....lb. .25½- —
Chicago .....lb. .25¾- —
Pacific Coast.....lb. .28 - —
Shellac, garnet, bgs.....lb. .12½- .13
Orange, D.C., VSO., Diamond, cases..lb. .20 - .21
Superfine, bgs., f.o.b. Bost. N. Y..lb. .11 - .11½
dlvd. Chicago.....lb. .11½- .12
Pacific Coast.....lb. .14½- .15
T.N., bgs., f.o.b. Bost., N. Y. lb. .10½- .11
dlvd. Chicago.....lb. .11 - .11½
Pacific Coast.....lb. .13½- .14
Shellac varnish, orange, 5-lb. cut, bbls..gal. .90 - .95
4½-lb. cut, bbls.....gal. .85 - .90
4-lb. cut, bbls.....gal. .80 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works..ton 17.00 - —
l.c.l., 2½ tons, works..ton 19.00 - —
smaller lots, works..ton 20.00 - —
wet-grd., 95-97%, 325 mesh., bgs., c.l., works..ton 18.00 - —
l.c.l., 2½ tons, work..ton 19.50 - —
smaller lots, works..ton 21.00 - —
400 mesh, bgs., c.l., works, ton 35.00 - —
l.c.l., 2½ tons, works..ton 36.50 - —
smaller lots, works..ton 38.00 - —
wet-grd., 96-98%, 325 mesh, bgs., c.l., works..ton 20.00 - —
l.c.l., 2½ tons, works..ton 21.50 - —
smaller lots, works..ton 23.00 - —
90%, 325 mesh bgs., c.l., works..ton 22.00 - —
l.c.l., 2½ tons, works..ton 25.50 - —
smaller lots.....ton 27.00 - —
hard-quarts, 140 mesh, bgs., c.l., works.....ton 11.00 - —
l.c.l., works.....ton 16.00 - —
Silver bullion.....oz. .42⅜- —
Govt. purchase.....oz. .6464- —
Cyanide, cns., 1,000 ozs.....oz. .39½- —
500-999 ozs.....oz. .39⅝- —
80-499 ozs.....oz. .39⅝- —
16-79 ozs.....oz. .42¼- —
Nitrate, vls.....oz. .31½- .33½
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simarubra bark, bls.....lb. .26 - .28
Skatol, bots.....lb. 75.00 -80.00
Skullcap, Eastern, bls.....lb. .16 - .17
Western, bls.....lb. .14 - .17
Skunk cabbage root, bls.....lb. .15 - .17
Slate flour, bgs., c.l., works..ton 9.00 - —
l.c.l., works.....ton 10.00 -15.00
Sloe berries, bgs.....lb. .10 - .11
Smalt, black, extra velvet, cnts., lb. .06 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09½- .10
powd., bbls.....lb. .13 - .14
Soda abietate, dms.....lb. .11 - —
acetate, anhyd., dms., dlvd..lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. ....lb. .04½- .05
powd., 90%, dms., c.l., dlvd. lb. .06 - —
l.c.l., dlvd. .....lb. .06¾- —
Alginate, dms. .....lb. .70 - —
Antimoniate, bbls.....lb. .12 - .12½
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09½- .11½
liquid, 50 gls., dms.....gal. .85 - —

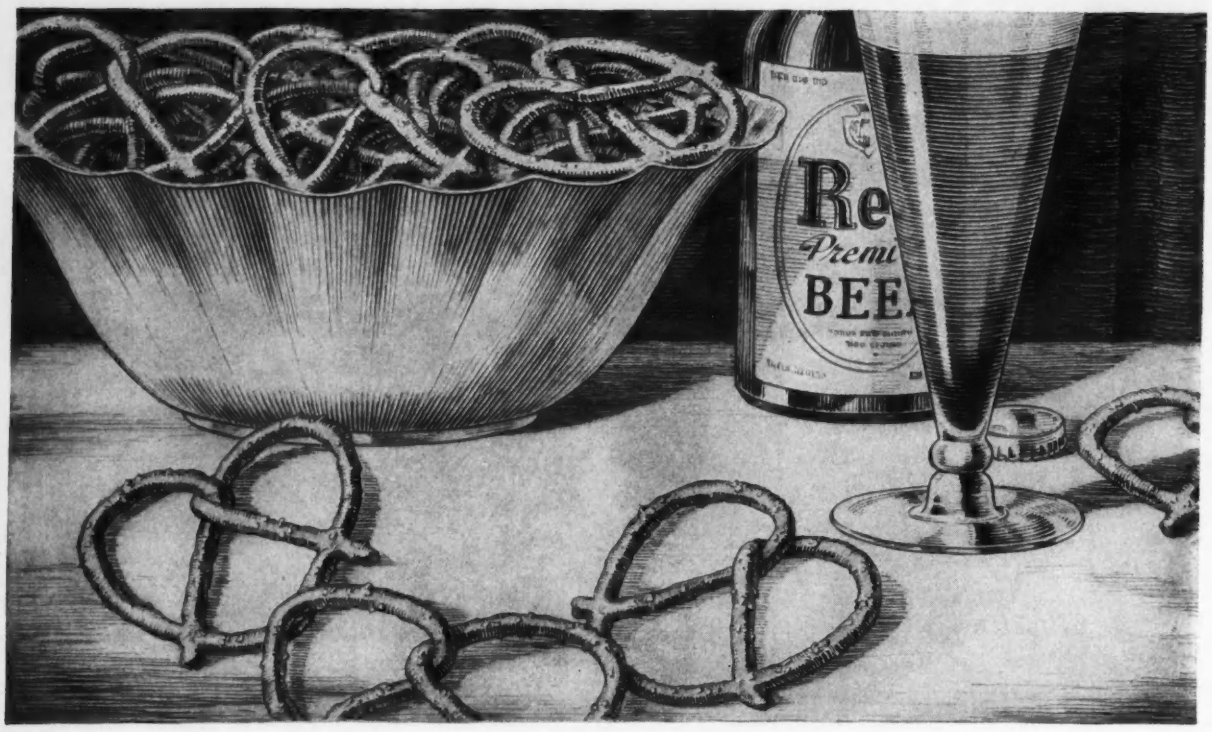
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.80 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l. .....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.06
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shpts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louus), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wchita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs., or more. lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, USP, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y.100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y.100 lbs. 2.76 - —
tech., bbls., c.l., wks..... 100 lbs. 1.70 - —
l.c.l.....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l., bgs.....100 lbs. 1.90 - 1.95
Bichromate, spot, c.l., works. lb. .06⅝- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¼- .12
Bisulphite, powd., bbls., c.l., bbls., wks.....100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60
Solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate bots., 5 lbs.....lb. 5.81 - —
jars 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda memohydrated, soda sal)
Caustic, flake, 76%, 1, grt. powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l. same zone prices as ammonia process.


INTERESTING USES OF ALKALIES . . . NO. 1




# How the Pretzel Gets its Shine . . .

WHETHER you are a beer drinker or not, you are undoubtedly familiar with that appetizing tidbit — the pretzel. But how many know that its inviting brown and glossy surface comes from a bath in a solution of Caustic Soda? After the dough has been twisted by hand or stamped by machine into the familiar shapes, the pretzels are placed on wire racks and dipped in a solution of 1 pound of Caustic Soda to 20 gallons of water. They then pass under an automatic salt shaker and on into the oven. In olden times the lye used was prepared by filling an old basket with wood ashes and pouring on boiling water, which filtered through into a tub.

While the amount of Caustic Soda used in a year's pretzel production is trivial compared with even a day's consumption by the paper, soap, textile or chemical industry, this application is an interesting example of the widespread use made of this common alkali. It also serves to emphasize the importance of extreme purity — a quality which COLUMBIA Caustic Soda possesses to a degree made possible only by eternal vigilance and a deep sense of responsibility by the inspectors and all other workers in the Production Department of the COLUMBIA organization.

COLUMBIA

SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • • •
MODIFIED SODAS • LIQUID CHLORINE • CALCIUM CHLORIDE

THE COLUMBIA ALKALI CORPORATION
BARBERTON, OHIO
NEW YORK • CHICAGO • BOSTON • ST. LOUIS • PITTSBURGH • CINCINNATI • CLEVELAND • MINNEAPOLIS • PHILADELPHIA

Soda, caustic, liquid, 47-49% buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works.... 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Citrate, U.S.P., VIII, gran. bbls...225 lbs. .19½- —
cns., 50 lbs.....lb. .21½- —
25 lbs.....lb. .23½- .24½
kgs., 100 lbs.....lb. .20½- —
USP XI, gran., bbls., 250 lbs. lb. .26 - —
cns., 50 lbs.....lb. .28 - —
25 lbs.....lb. .30 - .31
kgs., 100 lbs.....lb. .27 - —
powd., bbls., 250 lbs.....lb. .28½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31½
kgs., 100 lbs.....lb. .27½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
Import, 90%, cs.....lb. .12¾- .13¾
Diacetate, 33-35% acidity, bbls., divd..lb. .09 - —
Fluoride, white, 90% bbls., c.l., f.o.b. Phila...lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08¼- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis. lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .09 - —
5-9 same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns. 100 lbs. .20½- .22
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt. equal'd..100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.10 - —
bots. .....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.30 - —
fib. dms., 25 lbs.....lb. 3.15 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., wks...100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., Dec.-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton. 29.00 - —
200-lb. bgs., same basis.ton. 28.30 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, N. F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. .....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works.....100 lbs. 2.70 - —
l.c.l., works .....100 lbs. 3.10 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .09½- .10
Pyrophosphate, anhyd., bgs., c.l., frt. alld. E. of and incl. Denver—100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 6.10 - —
bbls., c.l., same basis.100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 6.30 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., divd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., divd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs. .....lb. .52 - —

Soda, sesquisilicate, dms., c.l., works..100 lbs. 3.00 - —
20 dms., and up, divd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms .....100 lbs. 4.10 - —
1-4 dms. .....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .04½- .04¾
import, bbls.....lb. .04 - .04½
Stannate, dms.....lb. .31½- .34½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, divd., 100 lbs. 2.75 - —
less than 5 tons, divd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, divd., 100 lbs. 3.50 - —
less than 5 tons, divd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 1.75 - 1.85
tech., kgs.....lb. 1.05 - 1.10
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l. .....lb. .16 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .18 - .19
Spikenard root, bls.....lb. .12 - .13
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01½- —
powd., super, bgs, c.l., works. lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01½- —
Squawvine leaves, bls.....lb. .11 - .12
Squill red, bls.....lb. .14 - .15
white, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.50 - 2.70
divd., N. Y.....100 lbs. 2.85 - 3.05
powd., bgs., f.o.b. Chicago. 100 lbs. 2.60 - 2.80
divd., N. Y.....100 lbs. 2.95 - 3.15
Potato, dom., bgs.....lb. .04 - .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .06¼- .07¼
Wheat, thick boil, bbls.....lb. .06¼- —
Staveacre seed, bgs.....lb. .14 - .15
Stearin, oleo, bbls.....lb. .06¾- .07
Stillingia root, bls.....lb. .08 - .09
Stoneroot, bls.....lb. .07½- .08
Storax, cs. .....lb. .48 - .49
Stramonium leaves, bls.....lb. .13½- .14
Seed, bgs. .....lb. .09 - .10
Strontium bromide, fib, dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 90-100 pc., precip., bbls., lb. .16½- .17½
Chloride, bbls. .....lb. .11 - .12½
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 1.05 - 1.10
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Acetate, 25-oz. cns., 100-oz. lots..oz .66 - —
Arsenate, 25-oz., cns., 100-oz. lots..oz. .68 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .66 - —
Glycerophosphate, 25 - oz. cns., 100-oz. lots..oz. .67 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .66 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .77 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .42 - —
powd., cns., 100-oz. lots, oz. .32 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 1.65 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton. 16.00 - —
ex vessels, Atlantic seaboard..long ton. 20.50 - —
Flowers, bgs., c.l., works.... 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
Refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works.....lb. 3.20 - 3.60
bbls., works.....lb. 3.55 - 3.95

Sulphur, refined, heavy, bgs., c.l., works..100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.23 - 3.65
light, bgs., c.l., works. 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.40
obls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Rubber maker's, com'l, 99¼%, c.l., frt. alld...100 lbs. 2.00 - —
bbls., same basis, c.l. 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - —
Sumac, grd., Sicilian, bls....ton. 67.00 - —
leaf, bales.....ton. 73.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .06½- .08½
Sunflower seed, Calif., large, bgs., lb. .06¾- .06¾
medium, bgs.....lb. .05 - .05½
poultry, bgs.....lb. .0400- .0430
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto, ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

# T

Talc., dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills.....ton. 17.00 - —
N.Y., fibrous, 98-99%, 325 mesh bgs., c.l., mills.. ton. 14.00 - —
l.c.l., mills.....ton. 16.00 - —
98-99%, 325 mesh, bgs., c.l., mills..ton. 15.00 - —
l.c.l., mills.....ton. 17.00 - —
98-99¼%, 325 mesh, bgs., c.l., mills..ton. 15.25 - —
l.c.l., mills.....ton. 17.25 - —
90.85-99.95%, 325 mesh, bgs., c.l., mills...ton. 17.00 - —
coarse, off color, bgs., c.l., mills..ton. 11.00 -13.00
Ohio, flake, type, grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills.....ton. 24.50 - —
Vermont, bgs., c.l., mills. ton. 14.00 - —
l.c.l., ex whse.....ton. 25.00 - —
Canad., bgs., c.l., mills....ton. 11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton. 45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton. 23.00 -25.00
l.c.l., ex whse.....ton. 27.50 -32.50
Italian, 1, bgs., ex dock, arrival. ex whse.....ton. 35.00 - —
2, bgs., ex dock, arrival. ton. 60.00 -62.00
Tallow, animal, edible, bbls....lb. .06¾ Nom.
extra, loose, works.....lb. .05½- —
special, loose, works.....lb. .05¾- —
vegetable, ship., cs.....lb. .06½ Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- .04½
l.c.l. .....lb. .04¾- .05¾
50% (43% fats), dms., c.l. lb. .05¾- .05¾
l.c.l. .....lb. .06¾- .06¾
50% (48% fat), dms., c.l...lb. .05¾- .06¾
l.c.l. .....lb. .06¾- .07½
Tamarind, W. I., bbls.....lb. .05 - .05½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 3.25 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk, unit-ton. 3.25 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.50 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.65 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, ship.unit-ton. 3.10 & .10
Tansy leaves, bls.....lb. .18 - .19
Tapioca flour, bgs.....lb. .02 - .04
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms., c.l., divd. E. cities..gal. .26 - —
divd., ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, divd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .30 - .31
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - .85
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms.....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms. .....lb. .09½- —
Tetralin, dms. .....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .12 - .12½
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .44½- .45
Crystals, bbls., kgs.....lb. .36½- .37
Metal, Straits.....lb. .46¾- —
Oxide, bbls.....lb. .50 - .52
Tetrachloride, anhyd., bbls...lb. .23¾- —

## Soda, Caustic—Uva Ursi

Titanium, dioxide, bgs., c.l. (20 tons), E. frt. pd..lb. .14 - —
Pac. cst., f.o.b. terminals..lb. .15 - —
l.c.l., 5 tons, E. frt. pd. pd..lb. .14½- —
Pac. cst., ex whse..lb. .15¼- —
1,000-9,999 lbs., E. frt. pd..lb. .14½- —
Pac. cst., ex whse..lb. .15½- —
50-999 lbs., E. frt. pd. lb. .14¾- —
Pac. cst., ex whse..lb. .15¾- —
under 50 lbs., E. frt. pd. lb. .17 - —
Pac. cst., ex whse..lb. .18 - —
bbls., c.l. (20 tons), E. frt. pd..lb. .14½- —
l.c.l., 5 tons, E. frt. pd. lb. .14½- —
1,000-9,999 lbs., frt. pd. lb. .14¾- —
50-999 lbs., frt. pd....lb. .15 - —
pathalate-treated, bgs., c.l., (20 tons), E. frt. pd..lb. .22 - —
Pac. cst., f.o.b., terminal..lb. .23 - —
l.c.l., 5 tons, E. frt. pd. lb. .22¼- —
Pac. cst., ex whse..lb. .23¼- —
1,000-9,999 lbs., E. frt. pd..lb. .22¾- —
Pac. cst., ex whse..lb. .23½- —
50-999 lbs., frt. pd....lb. .22¾- —
Pac. cst., ex whse..lb. .23¾- —
under 50 lbs., frt. pd. lb. .25 - —
bbls., c.l. (20 tons), E. frt. pd..lb. .22¼- —
l.c.l., 5 tons, E. frt. pd.. lb. .22½- —
1,000-9,999 lbs., E. frt. pd..lb. .22¾- —
50-999 lbs., E. frt. pd.. lb. .23 - —
Pigment, barium, calcium, or magnesium base, c.l., E. frt. alld..lb. .05¾- —
Pac. cst., f.o.b. terminal..lb. .05¾- —
l.c.l., divd.....lb. .05¾- —
Pac. cst., ex whse..lb. .05¾- —
under 50 lbs., E. divd.lb. .06¾- —
bbls., c.l., E., frt. alld..lb. .05¾- —
l.c.l., E., divd.....lb. .06¼- —
**Toluidin base, distilled, kgs....lb. .80 - —**
**Tolu, balsam, cns.....lb. .44 - .48**
**Toluidin, mixed, dms.....lb. .36 - —**
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .23 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½- —
tanks, E. of Omaha, frt. alld. gal. .23½- —
Tonga vine, NF, bls.....lb. .30 - .35
root, bls.....lb. .40 - .41
Tonka beans, Angostura, cks..lb. 2.40 - 2.60
Brazilian, cs. .....lb. 1.00 - 1.15
Surinam, cs. .....lb. 1.15 - 1.20
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .70 - —
Tributyl citrate, dms., l.c.l., divd..lb. .35 - —
Phosphate, dms., l.c.l., divd., lb. .42 - —
cns., works .....lb. .46 - .48
Tributylamine, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c. works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms.....lb. .095 - —
Zone B, c.l.....lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP cns., divd..lb. .40½- .51½
dms., c.l., divd.....lb. .34½- —
500 lbs., divd.....lb. .37½- —
tech., 1, dms., c.l. .....lb. .22 - —
500 lbs., dms.....lb. .23½- —
less than 500 lbs., dms.lb. .26½- .37½
2, dms., c.l. .....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyl phosphate, dms., divd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., divd.....lb. .50 - —
Trimethylamine, dms., c.l., div lb. 1.00 - —
l.c.l., divd.....lb. - -
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton. 26.00 - —
double-grd., bgs., c.l., works. ton. 16.00 - —
once-grd., bgs., c.l., works..ton. 14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.10 - 2.20
Oxide, CP, kgs.....lb. 2.65 - 2.75
tech., kgs. .....lb. 1.85 - 1.95
Turmeric root, Alleppey, bgs..lb. .05½- .06¾
Madras, bgs.....lb. .06¼ Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .28½- —
l.c.l., 10, ex dock.....gal. .30½- —
5, ex dock.....gal. .32½- —
wood, dest., dist., dms., divd. E. cities, ports..gal. .22 - .24
tanks, divd. E. cities....gal. .20 - —
steam-dist., dms., c.l., divd.gal. .27 - —
l.c.l., divd.....gal. .30 - —
tanks, divd.....gal. .22 - —

# U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton. 95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton. 95.00 - —
f.o.b. N. Y.....ton. 101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt. ton. 95.00 - —
smaller lots, f.o.b. N. Y. from whse. 101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH₃ unit. No prices.
Uva ursi leaves, bls.....lb. .06½- .09¾

## Valerian—Yohimbine

# V

| | | | |
|---|---|---|---|
| Valerian root, bls. | lb. | .10 - | .12 |
| Valonia, beards, bgs., shipt. | ton. | 45.00 - | — |
| Cups, bgs., shipt. | ton. | 30.00 - | — |
| extract, powdered, 63%. | lb. | .06 - | — |
| Vanilla beans, Bourbon, tins. | lb. | 4.75 - | 5.25 |
| Mexican, tins. | lb. | 5.00 - | 5.50 |
| cut, tins. | lb. | 4.50 - | 4.75 |
| South American, tins. | lb. | 4.00 | Nom. |
| Vanillin, ex eugenol, 25-lb. tins, | lb. | 2.20 - | — |
| 5-lb. tins. | lb. | 2.25 - | — |
| 1-lb. tins. | lb. | 2.35 - | — |
| ex guaiacol, 25-lb. tins. | lb. | 2.10 - | — |
| 5-lb. tins. | lb. | 2.15 - | — |
| 1-lb. tins. | lb. | 2.25 - | — |
| ex lignin, 25-lb. tins. | lb. | 2.10 - | — |
| 5-lb. tins. | | 2.15 - | — |
| 1-lb. tins. | lb. | 2.25 - | — |
| Venice turpentine, true, cs. | lb. | .42 - | .44 |
| Verdigris, bbls., kgs. | lb. | .22 - | .28 |
| Vinyl acetate, cns., works. | lb. | .25 - | — |
| dms., c.l., 30,000 lbs., gross works. | lb. | .14 - | — |
| l.c.l., works. | lb. | .15 - | — |
| tanks, works. | lb. | .13 - | — |
| Violet, methyl, toner (see M). | | | |
| V.M.P. naphtha (see petroleum naphtha, v.m.p.). | | | |

# W

| | | | |
|---|---|---|---|
| Wahoo root bark, bls. | lb. | .40 - | .41 |
| Tree bark, bls. | lb. | .22 - | .25 |
| Wattle bark, bgs., shipt. | ton. | 36.00 - | 38.00 |
| Extract, bbls. | lb. | .04½- | — |
| Wax, bayberry, import, bgs. | lb. | .18½- | .19 |
| Bees, white, bleach, slabs, cs., 500 lbs. | | .37 - | .39 |
| yellow, crude, Africa, bgs., lots of 10. | lb. | .19 - | .19½ |
| 1 bg. | lb. | .19½- | .20 |
| Brazil, Chile, bgs., 5-10 tons, | lb. | .22 - | .22½ |
| 1 ton. | lb. | .22½- | .23 |
| 500 lbs. | lb. | .24 - | .24½ |
| 100 lbs. | lb. | .23 - | .23½ |
| refd., slabs, cs., lbs. | lb. | .32½- | .33 |
| Candelilla, bgs., 1 ton. | lb. | .15½- | .16 |
| jobbing lots. | lb. | .16 - | .16½ |
| Carnauba, No. 3, chalky, bgs., 1 ton. | lb. | .29 - | .30 |
| 5 bgs. | lb. | .29½- | .30½ |
| 1 bg. | lb. | .30 - | .31 |
| N. C. 2, bgs. | lb. | .34 - | .35 |
| N. C. 3, bgs., 1 ton. | lb. | .30 - | .31 |
| 5 bgs. | lb. | .30½- | .31½ |
| 1 bg. | lb. | .31 - | .32 |
| refined, bgs. | lb. | .35 - | .36 |
| yellow, No. 1, bgs., 1 ton. | lb. | .39 - | .40 |
| 5 bgs. | lb. | .39½- | .40½ |
| 1 bg. | lb. | .40 - | .41 |
| No. 2, bgs. | lb. | .38 - | .39 |
| Ceresin, dom., 138°-140° m.p., bgs., 1 ton. | lb. | .08¾- | — |
| jobbing lots | lb. | .09¾- | — |
| 150°-160° m.p., bgs., 1 ton. | lb. | .09¾- | — |
| jobbing lots | lb. | .10¾- | — |
| 160° m.p., bgs., 1 ton. | lb. | .10¾- | — |
| jobbing lots. | lb. | .11¾- | — |
| Wax, Japan, cs. | lb. | .09¾- | .10 |
| Montan, bgs., c.l. | lb. | .11 - | — |
| 5 tons. | lb. | .11¼- | .11½ |
| less than 1 ton. | lb. | .11½- | .11¾ |
| Ozokerite, hard, green, congeal. p. 66°-68° C., bgs. | lb. | .62 | Nom. |
| 70°-72° C., bgs. | lb. | .35 | Nom. |
| 74°-76° C., bgs. | lb. | .38 | Nom. |
| snow-white, pure 76°-78° C., bgs. | lb. | .45 - | .46 |
| yellow, natural, 76°-78° C., bgs. | lb. | .35 - | .36 |
| Paraffin (see P). | | | |
| Spermaceti, blocks, cs. | lb. | .22 - | .23 |
| cakes, cs. | lb. | .23 - | .24 |
| White lead (see Lead, white). | | | |
| White pine bark, rossed, bls. | lb. | .06 - | .06¼ |
| White precipitate, powd., 5-lb. bots. | lb. | 1.69 - | — |
| dms., 50 lbs., or more. | lb. | 1.56 - | — |
| Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works. | ton. | 12.00 - | — |
| l.c.l., works. | ton. | 14.00 - | — |
| bbls., c.l., works. | ton. | 15.00 | -16.50 |
| l.c.l., works. | ton. | 17.00 - | — |
| pap. bgs., c.l., works. | ton. | 11.20 | -13.50 |
| l.c.l., works. | ton. | 13.20 | -14.50 |
| wet-grnd., bip., bgs., c.l., works. | ton. | 14.50 | -15.00 |
| l.c.l., works. | ton. | 15.00 | -19.00 |
| bbls., c.l., works. | ton. | 17.00 | -18.00 |
| gilder's bolted, bip., bgs., c.l., works. | ton. | 15.00 - | — |
| l.c.l., works. | ton. | 16.00 - | — |
| bbls., c.l., works. | ton. | 18.00 | -19.50 |
| l.c.l., works. | ton. | 19.00 | -20.60 |
| pap. bgs., c.l., works. | ton. | 14.60 | -15.50 |
| l.c.l., works. | ton. | 15.60 | -16.50 |
| extra bolted, bip., bgs., c.l., works. | ton. | 15.00 - | — |
| l.c.l., works. | ton. | 16.00 - | — |
| bbls., c.l., works. | ton. | 18.00 | -22.50 |
| l.c.l., works. | ton. | 19.00 | -22.00 |
| pap. bgs., c.l., works. | ton. | 14.60 | -17.50 |
| l.c.l., works. | ton. | 15.60 | -18.50 |
| Paris white, bip., bgs., c.l., works. | ton. | 15.00 - | — |
| l.c.l., works. | ton. | 16.00 - | — |
| bbls., c.l., works. | ton. | 18.60 | -24.00 |
| l.c.l., works. | ton. | 19.00 | -25.00 |
| pap. bgs., c.l., works. | ton. | 14.60 | -20.00 |
| l.c.l., works. | ton. | 15.60 | -21.50 |
| English cliffstone (see Whiting, chalk, Paris white). | | | |
| Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. | ton. | 9.35 - | — |
| 99.75% 200 mesh, paper bgs., c.l., same basis. | ton. | 8.60 - | — |
| 90% 200 mesh, paper bgs., c.l., same basis. | ton. | 6.25 - | — |
| gilders, bgs. (extra), c.l., works. | ton. | 11.50 - | — |
| l.c.l., 8-20 tons, works. | ton. | 12.50 - | — |
| 4-8 tons, works. | ton. | 13.50 - | — |
| 2-4 tons, works. | ton. | 14.50 - | — |
| gilders, extra, bgs. (extra), c.l., works. | ton. | 12.50 - | — |
| l.c.l., 8-20 tons, works. | ton. | 13.50 - | — |
| 4-8 tons, works. | ton. | 14.50 - | — |
| 2-4 tons, works. | ton. | 15.50 - | — |
| putty grade, bgs. (extra), c.l., works. | ton. | 11.00 - | — |
| l.c.l., 8-20 tons, works. | ton. | 12.00 - | — |
| 4-8 tons, works. | ton. | 13.00 - | — |
| 2-4 tons, works. | ton. | 14.00 - | — |
| Whiting, limestone, water-floated, bgs., (extra), c.l., works. | ton. | 11.50 - | — |
| l.c.l., 8-20 tons, works. | ton. | 12.50 - | — |
| 4-8 tons, works. | ton. | 13.50 - | — |
| 2-4 tons, works. | ton. | 14.50 - | — |
| Precipitated, bgs., c.l., works. | ton. | 15.00 - | — |
| l.c.l., 5 tons, works. | ton. | 20.00 - | — |
| smaller lots, works. | ton. | 25.00 - | — |
| Wild cherry bark, thick, natural. bls. | lb. | .04½- | .05 |
| rossed, bls. | lb. | .06 - | .07 |
| thin, natural, bls. | lb. | .06 - | .07 |
| rossed, green, bls. | lb. | .09 - | .10 |
| Wild indigo root, bgs. | lb. | .09 - | .10 |
| Witch-hazel extract, dist., NF bbls. | gal. | .40 - | .45 |
| Leaves, bls. | lb. | .07 - | .08 |
| Witherite (see Barium carbonate, natural) | | | |
| Woodflour, dom., fine, bgs., ex-tra, c.l., works. | ton. | 25.00 - | — |
| standard, bgs., c.l., works. | ton. | 20.00 - | — |
| import, 70 mesh, bgs., ex dock, | ton. | 22.00 - | — |
| 80 mesh, bgs., ex dock. | ton. | 24.50 - | — |
| 100 mesh, bgs., ex dock. | ton. | 27.50 - | — |
| 120 mesh, bgs., ex dock. | ton. | 30.00 - | — |
| Wormseed, American, bgs. | lb. | .08 - | .10 |
| Levant, bgs. | lb. | 3.70 - | 3.75 |
| Wormwood, bls. | lb. | .09 - | .10 |

# X

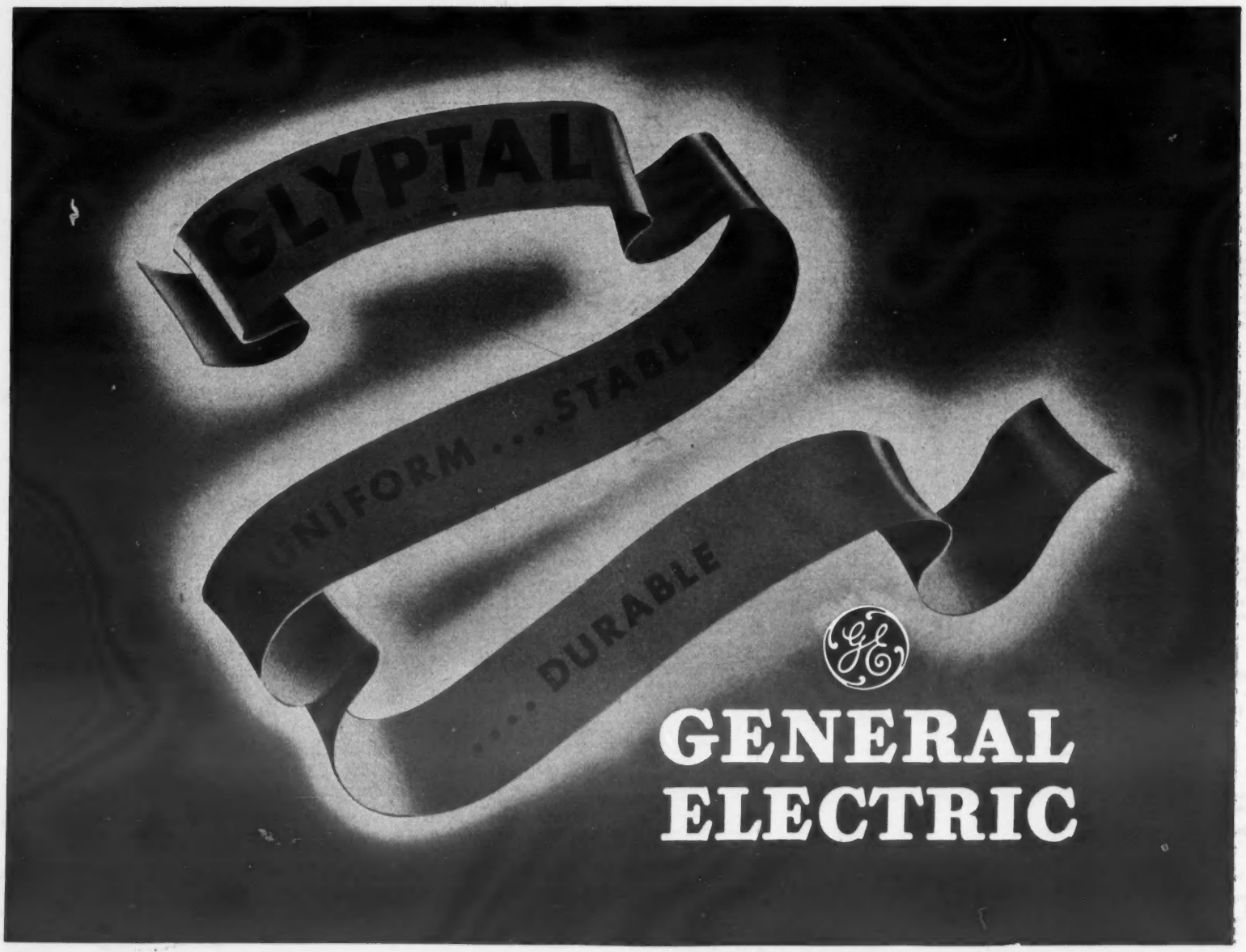
| | | | |
|---|---|---|---|
| Xylol (xylene), indus., dms., works. | gal. | .31 - | — |
| tanks, E. of Omaha, frt. alld., | gal. | .26 - | — |
| W. Coast, f.o.b. Minnequa, Colo. | gal. | .26 - | — |
| nitration, dms., wks. | gal. | .42 - | — |
| tanks, E. of Omaha, frt. alld., | gal. | .32 - | — |
| W. Coast, f.o.b. Minnequa, Colo. | gal. | .32 - | — |
| 5°, dms., works. | gal. | .27 - | — |
| tanks, E. of Omaha, frt., alld., | gal. | .22 - | — |
| 10°, dms., works. | gal. | .24 - | — |
| tanks, E. of Omaha, frt. alld., | gal. | .20 - | — |
| Xylidin, mixed, dms. | lb. | .35 - | .36 |

# Y

| | | | |
|---|---|---|---|
| Yara yara, cryst., cns. | lb. | 1.25 - | 1.50 |
| Yellow cadmium, CP, import., bxs. | lb. | 1.25 - | 1.75 |
| lithopone, all shades, bbls. 1 ton, works, frt. alld. | lb. | .45 - | — |
| smaller lots, same basis, | lb. | .50 - | — |
| kgs., ton lots, same basis, | lb. | .50 - | — |
| smaller lots, same basis, | lb. | .55 - | — |
| sulphide, orange, bbls., works. | lb. | .80 - | — |
| Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts. | lb. | .14¼- | — |
| open order | lb. | .15¼- | — |

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

| | | | |
|---|---|---|---|
| Dutch, pink, bbls. | lb. | .09 - | .11 |
| Hansa, bbls., same basis, chrome. | lb. | 1.37 - | — |
| primrose shade, bbls., same basis, chrome. | lb. | 1.75 - | — |
| Mercury oxide (see M). | | | |
| Ocher, Amer., golden, A, bbls., works. | lb. | .06½- | — |
| B, bbls., works. | lb. | .04½- | — |
| C, bbls., works. | lb. | .03½- | — |
| yellow, A, bbls., works. | lb. | .02¾- | — |
| B, bbls., works. | lb. | .02½- | — |
| C, bbls., works. | lb. | .02 - | — |
| D, bbls., works. | lb. | .0195- | — |
| E, bbls., works. | lb. | .01775- | — |
| F, bbls., works. | lb. | .01½- | — |
| G, bbls., works. | lb. | .01¼- | — |
| H, bbls., works. | lb. | .01¾ | — |
| French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for im-port. | lb. | .02475- | — |
| New York (f.o.b.). | lb. | .02½- | |
| Philadelphia, for im-port. | lb. | .02¾- | — |
| Portland, Seattle. | lb. | .03 - | — |
| San Pedro, S. Fran-cisco. | lb. | 0290- | — |
| l.c.l., ex dock, Balto, Bos-ton, N. Orleans. | lb. | .02575- | — |
| New York | lb. | .02½- | — |
| ex-dock Phila., for im-port. | lb. | .02¾- | — |
| Portland, Seattle. | lb. | .03½- | — |
| San Pedro, S. Fran-cisco. | lb. | .03 - | — |
| ex whse., Balto., Bos-ton, N. Orleans. | lb. | .02725- | — |
| Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, | lb. | .03¾- | — |
| Minneapolis | lb. | .03½- | — |
| New York. | lb. | .02¾- | — |
| Pittsburgh | lb. | .03½- | — |
| Portland, Seattle. | lb. | .03¾- | — |
| San Pedro, S. Fran-cisco. | lb. | .03½- | — |
| f.o.b. N. Y., from dock, | lb. | .02¾- | — |
| from whse. | lb. | .02½- | — |
| Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y. | lb. | .04½- | — |
| l.c.l., same basis. | lb. | .04¾- | — |
| synth., bbls., c.l., works. | lb. | .06½- | — |
| l.c.l., same basis. | lb. | .04¾- | — |
| Persian orange (see O). | | | |
| Zinc, bbls., same basis chrome CP. contracts. | lb. | .13 - | — |
| open order | lb. | .13 - | — |
| Yellow dock root, bls. | lb. | .09 - | .10 |
| Yellow root (xanthorisa), bls. | lb. | .09 - | .10 |
| Yerba santa leaves, bls. | lb. | .08 - | .08½ |
| Yohimbine hydrochloride, vls. | oz. | 2.50 - | 2.85 |



## Z

Zinc acetate, tech., bbls., dvld., lb. .21 - —
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies..lb. .12½ - —
c.l., bgs., cs.....lb. .13 - —
E. of Rockies..lb. .12½ - —
W. of Rockies, bgs....lb. .12½ - —
Arsenite, bgs., cs., c.l., dealers, l.c.l., bgs., cs..lb. .13 - —
W. of Rockies, bgs.....lb. .12⅝ - —
Zinc arsenate and arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solut., dms., wks.....lb. .04½ - —
tanks .....lb. .0226- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .06½ - —
l.c.l., bbls., dlvd.....lb. .07 - —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06½- .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06½- .07⅝
ex whse., Pac. cst., lb. .06½- .07⅝
bbls., c.l., dlvd...lb. .06½- .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06⅝- .08
ex whse., Pac. cst..lb. .06⅝- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except ex whse.,Pac. cst.lb. .06⅝- —
bbls., c.l., dlvd....lb. .06⅝- —
l.c.l., dlvd., except Pac. cst..lb. .06⅝- —
ex whse.,Pac. cst.lb. .06⅝- —
35% bgs., c.l., dlvd.lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
bbls., c.l., dlvd..lb. .06⅜- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst. lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. cst.lb. .0606- —
Pac. cst.....lb. .0612 - —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
ex whse., Pac. cst. lb. .0631 - —
bbls., c.l., dlvd....lb. .0631- —
l.c.l., dlvd., except Pac. cst..lb. .0656 - —
ex whse., Pac. cst. lb. .0656 - —
French process, com'l, lead-free, bgs., c.l., dlvd.lb. .06½- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07⅝
ex whse., Pac. cst..lb. .06½- .07⅝
bbls., c.l., dlvd.....lb. .06½- .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06⅝- .08
ex whse., Pac. cst..lb. .06⅝- .08
green seal, bgs., c.l., dlvd..lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
bbls., c.l., dlvd.....lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst..lb. .08½- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07⅝- —
ex whse., Pac. cst..lb. .07⅝- —
bbls., c.l., dlvd.....lb. .07⅝- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08⅝- —
ex whse., Pac. cst..lb. .08⅝- —
bbls., c.l.....lb. .08⅝- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
import, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse.lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .28 - .35
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., otns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
U.S.P., bbls.....lb. .21 - .26
Sulphate, cryst., bgs., c.l.100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l. .....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l. .....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.95 - —
bbls., c.l. .....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l. .....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .08⅜- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08½- —
bbls., c.l. (20 tons), dlvd..lb. .08⅝- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08⅝- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. ct...lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works...ton.75.00 -100.00
kgs., small lots, works...lb. .04¼- .04½
white, 99%, rgd., kgs., works, lb. 1.40 - 1.52

## Synthetic Resins and other Branded Paint Materials

### (Manufacturers' List Prices)

### A

Abalyn dms., lots of 10, works. lb. .10 - —
single dms., works.....lb. .13 - —
5 gal. cans, works.....lb. .17 - —
Arochors, distilled, dms., c.l., works..lb. .22 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

### B

Bakelite, gocks, BK, 3962, XE 6791, dms., 30,000 lbs.,works.lb. .22½- —
15,000 lbs., works.....lb. .23 - —
5,000 lbs., works.....lb. .23½- —
lacquer, XR 2342, dms., 30,000 lbs, works..lb. .33 - —
15,000 lbs., works.....lb. .36½- —
5,000 lbs., works.....lb. .39 - —
2180, ams., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
9448, dms., 30,000 lbs., works..lb. .35 - —
15,000 lbs., works.....lb. .36 - —
5,000 lbs., works.....lb. .37 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .46 - —
5,000 lbs., works...lb. .47 - —
1220, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works...lb. .29 - —
5,000 lbs., works...lb. .30 - —
2967, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works....lb. .34 - —
3260, bbls., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works...lb. .39 - —
5,000 lbs., works....lb. .40 - —
4006, bbls., 30,000 lbs., works..lb. .55 - —
15,000 lbs., works...lb. .56 - —
5,000 lbs., works....lb. .57 - —
4036, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works...lb. .41 - —
5,000 lbs., works....lb. .42 - —
6582, bbls., 30,000 lbs., works..lb. .42½- —
15,000 lbs., works...lb. .43½- —
5,000 lbs., works....lb. .44½- —
8900, bbls., 30,000 lbs., works..lb. .48 - —
15,000 lbs., works...lb. .49 - —
5,000 lbs., works....lb. .50 - —
9476, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
2175, cns., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2962, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .179 - —
15,000 lbs., works.....lb. .184 - —
5,000 lbs., works.....lb. .189 - —
431, dms., 30,000 lbs., works, lb. .226 - —
15,000 lbs., works.....lb. .231 - —
5,000 lbs., works.....lb. .236 - —
2681, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
8100, dms., 30,000 lbs., works..lb. .19½- —
15,000 lbs., works.....lb. .20 - —
5,000 lbs., works.....lb. .20½- —
6000, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —
6389, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —
7506, dms., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs. works.....lb. .31 - —
8263, dms., 30,000 lbs., wks. lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
8264, dms., 30,000 lbs., works..lb. .21½- —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23½- —
8344, dms., 30,000 lbs., works..lb. .383 - —
15,000 lbs., works.....lb. .393 - —
5,000 lbs., works.....lb. .403 - —
9405, dms., 30,000 lbs., works..lb. .33 - —
15,000 lbs., works.....lb. .34 - —
5,000 lbs., works.....lb. .35 - —

### C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04 - —
EX, dms., gross weight, works, lb. .04 - —
FX, dms., gross weight, works, lb. .05 - —
MH, col. ½, dms., works.....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
Cumar, MS, dms., works.....lb. .10 - —
P, 10°-90° C., col. 3 and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .10 - —
special soft, dms., works...lb. .10 - —
V, col. ½, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col. ½, dms., works.....lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices include frt. equald. with Pittsburgh; prices on contracts terminating June, 1939, are ¼c. per pound lower.

### D

Durez, 202, dms., 36,000 lbs., works..lb. .42 - —
l.c.l., works .....lb. .44 - —
210, dms., 36,000 lbs., works.lb. .15 - —
l.c.l., works .....lb. .16 - —
extra pale, 36,000 lbs., works, lb. .15½- —
l.c.l., works .....lb. .16½- —
500, dms., 36,000 lbs, works, lb. .32 - —
l.c.l., works .....lb. .33 - —
525, dms., 36,000 lbs., works, lb. .24 - —
l.c.l., works .....lb. .26 - —
550, dms., 36,000 lbs., works, lb. .29 - —
l.c.l., works .....lb. .30 - —

Durez c.l. prices also apply on mixed cars; three-month contracts are for price protection only; for Pacific Coast and Gulf points, ex warehouse, add 3c. per lb.

Durite,1,301 dms., 1 ton, frt.alld.lb. .30 - —
smaller lots, frt. alld....lb. .35 - —

### G

G, resin, dms., gross weight, works..lb. .07 - —

G resin prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

### H

Hercolyn, dms., lots of 10, works. lb. .15 - —
single dms., works.....lb. .17 - —
cans, works.....lb. .22 - —

### K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06⅝- —
Pac. cst., ex whse.....lb. .06⅝- —
bbls., c.l., dlvd.....lb. .06⅝- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. cst., ex whse.....lb. .07 - —

### N

Nevillac, dms., works.....lb. .17 - —

Nevillac prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col., 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col., 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .13 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works. lb. .13 - —
R-10, hard, col., 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col., 2½-3½ dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2,dms., works..lb. .10 - —
R-16, medium, col. 2½-4 dms., works..lb. .09 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10½- —

Neville resin prices are freight equalized with Phila.; prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Nevillite, lump, prime white dms., works..lb. .70 - —
straw, dms., works.....lb. .65 - —
water white, dms., works..lb. .80 - —
465, 110-125°C, dms., gross weight, works..lb. .03 - —
oil, dms., works.....lb. 1.40 - —
No. 2, heavy, refd., dms., works..lb. .11 - —
Nevinol, dms., works.....lb. .15 - —
Nuba, 1, 80°-95° C., dms., gross weight, works..lb. .0265- —
2, 100°-125° C., dms., gross weight, works...lb. .0265- —
3, 125°-150° C., dms., gross weight, works..lb. .04 - —

Nuba resin prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles, 1938, are ½c. per pound lower; Los Angeles and San Francisco ex whse., 2c. per pound extra.

Nuodex drier, cobalt, 4%, dms., dlvd. E. of Kas. City.....lb. .19½- .21¼
6%, dms., same basis.....lb. .24½- .26¼
8%, dms., same basis.....lb. .32½- .34
10%, dms., same basis.....lb. .43 - .43¾
Cobalt 3%-lead 30%, dms., same basis..lb. .20 - —
cobalt 1%-zinc 10%, dms., same basis..lb. .23½- —
copper, 4%, dms., same basis.lb. .12 - —
6%, dms., same basis.....lb. .14 - .16
iron, 4%, dms., same basis...lb. .11 - —
6%, dms., same basis.....lb. .13 - —
10%, dms., same basis.....lb. .21 - —
lead, 10%, dms., same basis..lb. .10½- .11¼
24%, dms., same basis.....lb. .14 - .18
32%, dms., same basis.....lb. .18 - .20
34%, dms., same basis.....lb. .19 - .20
lead 30%—cobalt 3% (see Cobalt).
lead 30%—manganese 3% (see Manganese).

### Zinc Acetate—Vinylite

Nuodex manganese, 4%, dms., same basis..lb. .12½- —
6%, dms., same basis.....lb. .13 - .14
8%, dms., same basis.....lb. .18 - .19
10%, dms., same basis.....lb. .22 - —
manganese 3%—lead 30%, dms., same basis..lb. .17 - —
mercury, 35%, dms., same basis..lb. .55 - —
zinc, 6%, dms., same basis..lb. .13 - .14
8%, dms., same basis.....lb. .16½- .17½
12%, dms., same basis.....lb. .22 - .23
zinc 10%—cobalt 1% see (Cobalt).

### P

Paradene, dms., gross weight, wks., frt. equal, with Phila. lb. .04 - —
Phenester, color 3½-5, dms., works..lb. .17 - —
P.H.O., dms., works.....lb. .19 - —
Pliolite, milled, dms., 1 ton, works..lb. .75 - —
smaller lots, works.....lb. .79 - —
unmilled, dms., 1 ton, works.lb. .69 - —
smaller lots, works.....lb. .69 - —

### R

Resinous oil, No. XI, dms., works..lb. .019 - —

### S

Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.35.00 - —

### T

Tornesit, bgs., ton lots, works..lb. .27 - —

### V

Vinylite, AYAA, AYAF, AYAT, dms., 200 lbs., f.o.b. cars, works, frt. paid by seller to destination, E. of Mississippi river..lb. .45 - —
smaller lots, works.... ..lb. .60 - —
VYHF, dms., 200 lbs., works, lb. .55 - —
smaller lots, works.... ...lb. .65 - —
VYHH, dms., 200 lbs., works.lb. .57 - —
smaller lots, works.....lb. .67 - —
VYNT, dms., 200 lbs, works.lb. .75 - —
smaller lots, works.....lb. .85 - —
VYRR, dms., 200 lbs., works.lb. .62 - —
smaller lots, works.....lb. .65 - —

## *Trade Briefs*

**American Agricultural** Chemical Company, this city, plans construction of a warehouse and distributing center in Syracuse.

**Standard Oil of Indiana** stockholders December 22 approved establishment of a contributory retirement plan, effective January 1.

**J. P. Spang** has been named president of the Gillette Safety Razor Company, Boston, succeeding S. C. Stampleman, who becomes chairman of the directorate.

**Dow Chemical Company** has made application to the New York Stock Exchange for the listing of an additional 86,988 shares of no par value common stock.

**Jefferson Lake Oil** Company is working on the Clemens dome in Brazoria County, Tex., extracting sulphur, and recently acquired another sulphur property which is being held in reserve.

**Gordon W. McBride** who resigned from the chemical department of Procter & Gamble Co., Cincinnati, effective January 1, has become associated with his father, Russell S. McBride, in consulting chemical engineering practice, with offices at 712 Jackson Place, Washington, D. C.

**Chemicals, oils,** waxes and solvent lines are desired by a visitor from Switzerland who is interested in securing agencies for these products and allied raw materials, arrived in the United States recently. Full details regarding this visitor and the firm he represents are available to accredited American firms at the Bureau of Foreign and Domestic Commerce, Washington, by referring to foreign visitor No. 256.

## *Dividends Declared*

| Class and period. | Amt. | Pay. | Record. |
|---|---|---|---|
| Air Reduction Co. Com. (Q)..... | $0.25 | Jan. 16 | Dec. 31 |
| Amer. Agric. Chem. Co. New ..... | .35 | Dec. 27 | Dec. 16 |
| Amer. Prods. Co. (Q) 5% pfd..... | .08¾ | Jan. 3 | Dec. 22 |
| Cleveland Graphite Bronze Co., Com... | .25 | Dec. 30 | Dec. 23 |
| Cliffs Corp. Com. ..... | .15 | Dec. 21 | Dec. 16 |
| Climax Molybdenum Co. Com. ..... | .30 | Dec. 23 | Dec. 16 |
| Coca-Cola Bottl. Corp. Com. "A" (Q)..... | .62½ | Dec. 30 | Dec. 15 |
| Coca-Cola Bottl. Corp. Com. "A" ext..... | 1.25 | Dec. 30 | Dec. 15 |
| Corn. Prof. Ref. Co. Com. (Q)..... | .75 | Jan. 20 | Jan. 3 |
| Gen. Candy Corp. Non-cum. "A" (Q). | .25 | Dec. 23 | Dec. 17 |
| Gen. Candy Corp. Non-cum. "A" ext.. | .25 | Dec. 23 | Dec. 17 |
| Gen. Fireproofing Co. Com. ..... | .20 | Dec. 24 | Dec. 19 |
| Gen. Print. Ink Corp. 6% pfd. (Q)..... | 1.50 | Jan. 3 | Dec. 20 |
| Hook Drugs, Inc. Com. ..... | .10 | Dec. 24 | Dec. 23 |
| Kinsell Drug Co. Com. ..... | .05 | Dec. 27 | Dec. 20 |
| MacAndrews & Forbes Com. ..... | .50 | Jan. 14 | Dec. 31 |
| Parke, Davis & Co.... | .04 | Jan. 3 | Dec. 23 |
| Parker Rust Proof Co. Com. ..... | .25 | Mar. 1 | Feb. 10 |
| Std. Wholesale Phos. & Acid Works (Q).. | .20 | Jan. 15 | Dec. 30 |
| Young (J. S.) Co. Com. (Q)..... | 1.50 | Jan. 3 | Dec. 23 |

# Oil, Paint and Drug Reporter

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### New Idea in Government

The new Secretary of Commerce appears to have a new idea of the reasons for the existence of that division of the executive branch of the government. He has taken a step which indicates that he considers "commerce" to have a more general meaning than that which the supreme court has progressively given to the constitutional term. He appears to have a feeling that "commerce" means "business" and that the Department of Commerce should function for the good of business.

The new secretary in his new step in a new direction has enlisted the helping hand of the department's business advisers—a group whose potential usefulness has been referred to in these columns on several occasions. He intends to make use of these advisers according to their talents. And the prime purpose of his step and his intention is to make business better by increasing employment. That simple remedy has not been tried by government, not even suggested since the time, some eight years ago, when business promised the President that it would put more men to work and coax prosperity back from around the corner.

There is a likelihood that the new idea of the new Secretary of Commerce will work out a bit better than did that of the early depression. Business has learned that it needs more workers in order to have more buyers so that more goods may be made with sound expectations of their being sold. It has learned also that the providing of these workers would best be done by itself, the results of some five years of otherwise endeavoring to provide buyers to keep business going having been shown to be otherwise in more respects than one.

So, the new Secretary of Commerce should have real, not merely cheer-section, help in his new idea of making business better by making more business by finding work to make more buyers for business. Putting one more man to work here and two more there will not financially wreck their employers. A 2-percent increase in employment—do you recall that suggestion in a recent issue of this paper?—would come relatively easy and help considerably. The new Secretary of Commerce has started something that will give business a chance to get in where government has been in his previous job.

### Can't It Be Done

Two things, it is said by observers with a predominantly financial angle, exert a deterring influence on those who could put money into the housing program. One of these, the reports have it, is fear of a boom; the other is the impracticability of providing suitable housing for persons in the lowest income groups.

Concerning the possibility of a real estate boom as a concomitant of the meeting of housing needs it can be said that booms are bred by men, the very men who put money into things that can be boomed and do so with the prime, and often the sole, idea of making more money more quickly than is safe or sound in this process. The investors who fear a boom are fundamentally afraid of themselves—they know why.

But, the charge that satisfactory housing cannot practically be provided for persons of low income puts the blame where it does not belong. There is a challenge for the construction industries in meeting the housing needs of the poor. That challenge will be met; it must be met or the much-vaunted ingenuity and technical ability of modern industry will become a laughing-stock. That challenge can be met; the impracticability of the task lies in its not promising enough interest on investments of an obsolete nature in buildings of an equally antiquated process of construction. Housing must become modern in all its methods, from financing to finishing. To submit to the charge that only slums can be offered in the place where slums now are is defeatism that ill becomes a technologically proud people.

—O-P-D—

### Current and Correlated

The Department of Commerce, carrying out something started some time ago, is rearranging the statistical work of the Bureau of the Census and the Bureau of Foreign and Domestic Commerce. The reason seems to be that these two bureaus have been getting in one another's way. The new plan will, at least, set them at separate workbenches; thus—

> The Bureau of the Census will now be responsible for the collection, tabulation, and release of the basic tables on current statistics of retail and wholesale trade and manufacturing; while the Bureau of Foreign and Domestic Commerce will analyze, interpret, and publish the final reports.

The new arrangement has to do only with current statistical data, not with the regular censuses of manufactures and so on. Doubtless there is a good reason for splitting this informative service into two parts and giving the separate parts to two agencies which are not particularly correlated in their functionings. All will be well if they do a proper job.

Business needs better commercial practice in the Department of Commerce if that department is intended to be of service to business. If such is not its purpose, nobody needs it at all.

Current statistical information is essentially necessary for the proper guidance of business. Getting data is not enough. The manner in which such data are sometimes furnished requires that the available figures be "interpreted" and their meaning made clear. Otherwise, the "information" is worse than useless.

Correlated statistical information is highly desirable; data which will give at a glance a full picture of any particular industrial group—supply and demand (foreign and domestic in both instances), stocks on hand, price trends, employment conditions. These data are separately available currently, in half a dozen tables published in almost as many separate "releases." If they were collected and collated their usefulness would be increased many times.

—O-P-D—

### Lacking At Lima

Although matters of state were rather satisfactorily arranged in the Lima conference of American nations, economic matters which are basic to satisfactory international relations appear to be in a far less gratifying condition. These already reflect the lack of the business element in the conference, and trade agreements far more desirable than the current tariff bargains would fall short of the niche that was not filled.

Ideologies are imposing topics of international discussion. But, down at the brass tacks of real international relations, "ideologies" is but a $4 version of "big ideas," a term much better understood by practical men and more effectively uttered, especially in an inquiring manner, in business talks—whatever the business.

Ideologists are going after Latin American business—with little besides their "big ideas" to use for money. That is a game for "leaders" to play, but a game in which "followers" always lose. It is this fact that can be used by practical business men to offset the opportunities arising, for others, from their not being allowed to sit in at Lima. "What's the big idea?" they can ask. "We don't need your packing-house products at all, and we can get along without your flaxseed."

That is one-syllable "ideology"—somewhat lacking at Lima—effectively comprehensible to those whose ideas are a controlling factor in the relation policies of their governments.

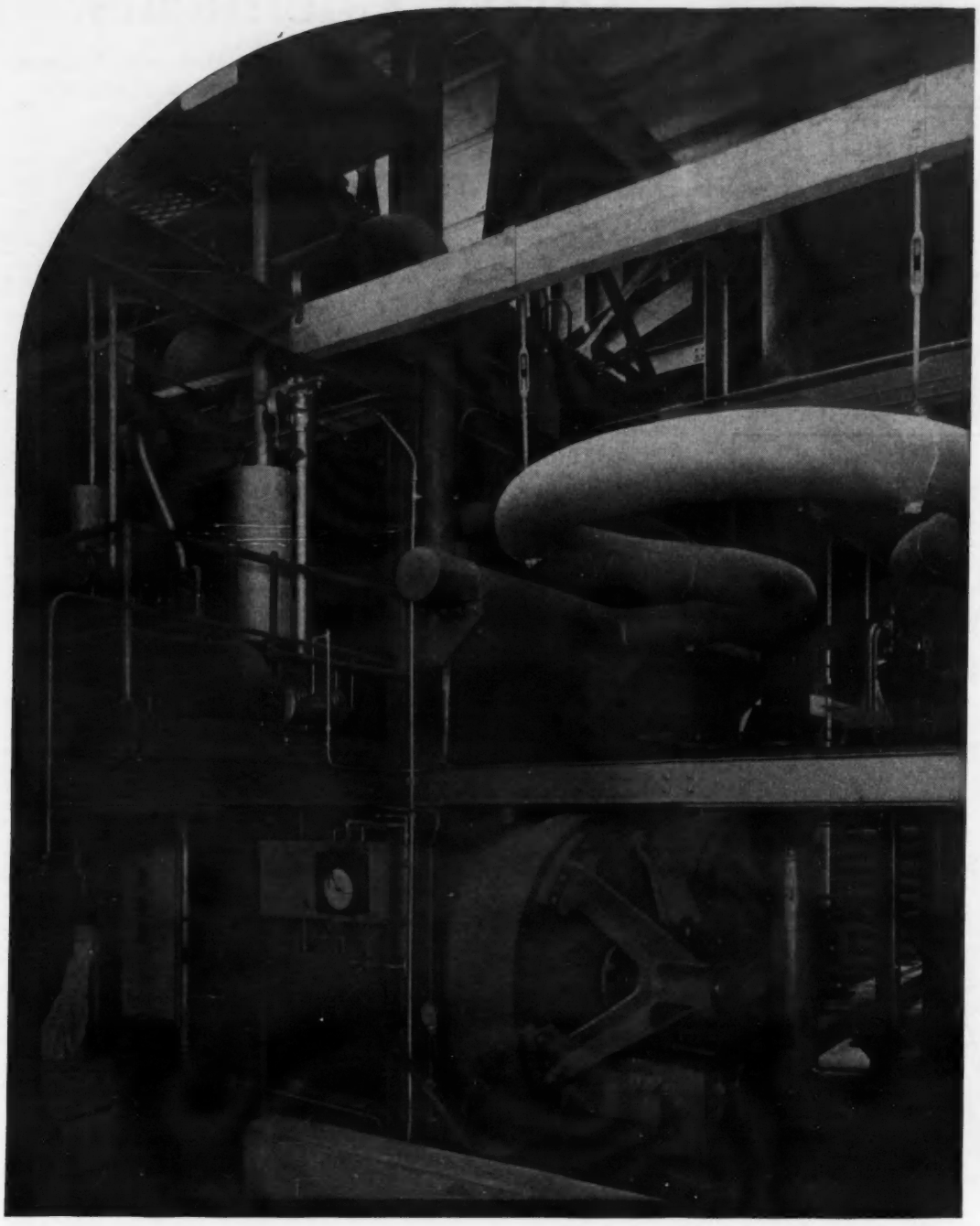
—O-P-D—

### Fish Are Like That

Some chaps go fishing only when they have heard from at least a half-dozen others that the fish are "bitin' to beat the band." These chaps catch fish whenever they go fishing—but that is not often. Other chaps go fishing whenever they get a chance, content to ascertain for themselves whether the fish are biting. These chaps catch fish more often than do the waiters for the good word, and they catch more fish — especially those who know where to look for fish—because fish are like that; they like to be searched out.

Same thing goes in relation to chaps and business. Some never go looking for business—never advertise—until in some half-dozen places they have heard that business is being done by others. These chaps have an actually small cost of doing business, of getting business; but their cost is relatively large, because they don't get much business; their share is largely what the earlier "fishermen" have left or had not taken in before they decided to spread the good news.

The chap who gets the big ones, fish or business, is—streaks of luck don't count—the one who goes fishing (advertising, sales-hunting, selling) every day; concentrates his efforts in places where he knows there are fish and in places where he can conceive fish ought to be—and makes them bite. He's a fisherman. The other chap—well, he's a sort of fish-taker. Or, to be less allegorical, one is a business man; the other, an order-taker.



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# Heavy Chemicals

## Chlorine in Tanks Lower—Manganese Dioxide Reduced—Antimony Metal Advanced—Tin Salts Firmer—Domestic Soda Silicofluoride Easier

Activity in the market for heavy chemicals was further lessened last week. The intervention of the Christmas holiday and year-end inventory adjustments, restricted commitments in practically all sections. Contract work occupied the attention of the trade, and final efforts were being made to renew contracts for this year, with a good proportion of the major chemicals already booked for 1939. A few price changes made their appearance, including lower quotations for Caucasian manganese dioxide, chlorine in tanks, chrome cake and domestic soda silicofluoride; higher prices were recorded for antimony metal, soda stannate, anhydrous tetrachloride of tin, tin crystals, anhydrous stannous chloride of tin and Straits tin.

A substantial reduction was made in Caucasian manganese dioxide for this year's contracts, and follows two reductions made during the previous year. Chlorine in tanks, single and multiple units, was revised downward. Sellers were accepting contracts in chrome cake at lower prices for 1939 requirements. Domestic soda silicofluoride followed the lower imported quotations, business was being accepted for the early part of this year at fractionally lower levels. Antimony metal reversed its recent downward trend. Tin derivatives followed the firmer price trend in the Straits metal. Few chemicals showed much activity, although calcium chloride received the benefit of cold and inclement weather in most sections of the country. New schedules were effective on carbon tetrachloride, comprising a revised unit base for prices, the quotations are on a per gallon basis instead of per pound as heretofore. A four zone system was set up for the freight allowed prices quoted. Calcium sulphide schedule was issued on a modified basis for this year.

**Alums.**—Activity in the market was lessened somewhat by year-end and holiday influences. Despite the lull in current business, contract work in alumina sulphate, ammonia, potash and other alums was proceeding steadily for this year's requirements.

**Ammonia Aqua.** — Business was restricted in most important consuming channels at this time. Contract solicitations were occupying the attention of most sellers, and renewals to date have been satisfactory.

**Ammonia Carbonate.** — Sellers were able to point to a normal amount of signed contracts from consumers for 1939. Dullness characterized business throughout the past week.

**Ammoniac Sal.**—The market drifted through a routine period, with consumers content to mark time in the majority of instances. Writing contracts for this year provided about the principal business.

**Antimony.**—Price for domestic spot antimony metal was advanced ½c. per pound to the 11¾c. per pound level. Business was of a routine character, and confined to small lots in practically all transactions.

**Arsenic.** — Developments of importance were lacking in this direction throughout the past week. Commitments were generally confined to nearby requirements. Pricewise a steady to firm tone prevailed.

**Blue Vitriol.** — Commitments were held to minimum proportions in commercial consuming channels last week, while the call for horticultural purposes was seasonally slack, although some export demand made its appearance from time to time. Prices remained firm.

**Calcium Chloride.** — The return of cold and inclement weather in many sections of the country were favorable influences for withdrawals of this material for ice control work last week. Other consumers were providing a fair interest in the market. Quotations were without alteration.

**Calcium Sulphide.**—A more modified schedule was released for calcium sulphide, effective January 1, 1939. The new schedule follows:—70 percent, CaS, 50 mesh, car lots, $46 per ton; 80 percent, CaS, 50 mesh, car lots, $51 per ton. Above prices are f.o.b. works packed in burlap bags.

**Carbon Tetrachloride.**—Effective January 3, 1939, a new schedule comprising a revised unit base for prices quoted will prevail, the quotations are on a per gallon basis instead of per pound as heretofore. A four zone system will be set up for the freight allowed prices quoted. The new schedule follows:—Zone 1—52½ gallon drums, car lots, 66½c. per gallon, less car lots, 73c. per gallon; 5/10 gallon drums, car lots, 90c. per gallon, less car lots, $1 per gallon. Zone 2—52½ gallon drums, car lot, 73c. per gallon, less car lots, 80c. per gallon; 5/10 gallon drums, car lots, 97c. per gallon, less car lots, $1.07 per gallon. Zone 3—52½ gallon drums, car lots, 80c. per gallon, less car lots, 86c. per gallon; 5/10 gallon drums, car lots, $1.03 per gallon, less car lots, $1.13 per gallon. Zone 4—52½ gallon drums, car lots, 83c. per gallon, less car lots, 90c. per gallon; 5/10 gallon drums, car lots, $1.07 per gallon and less car lots, $1.17 per gallon. All prices are freight allowed with the exception of zone 4 in which case the prices indicated are based on f.o.b. cars, Los Angeles, California; San Francisco, California; Portland, Oregon and Seattle, Washington. All packages are inclusive and not returnable. Zone 1 includes the following states:—Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Maryland, Delaware, Virginia, West Virginia, North Carolina, Tennessee, Ohio, Indiana, Michigan, Illinois, Wisconsin, Minnesota, Iowa, Missouri; also the river towns of Burlington, Iowa, and Kansas City, Kansas. Zone 2 includes the states of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Arkansas, Louisiana, Mississippi, Alabama, Georgia, South Carolina and Florida. Zone 3 includes that portion of Montana, east of Billings and the states of Wyoming, Colorado, New Mexico and Texas. Zone 4 includes the states of Washington, Idaho, Montana, Oregon, California, Nevada, Utah and Arizona.

**Chlorine.** — Quotations for liquid chlorine in tanks, single and multiple units, was revised downward 15c. per 100 pounds. The prices follow:—Tanks, single unit, works, freight equalized, $2 per 100 pounds; multiple unit, 3 or over, same basis, $2.15 per 100 pounds; two units, same basis, $2.40 per 100 pounds and one unit, same basis, $2.85 per 100 pounds.

**Chrome Cake.** — Quotations for Chrome cake in bulk were revised downward $1 per ton, making the new car lot price $14 per ton. Usual consumers were contracting on this basis for 1939 requirements.

**Copper.**—Dealings in the domestic copper market were uneventful throughout the past week. Quotation

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Antimony metal, dom., ½c. per lb.
Soda stannate, ½c. per lb.
Tin, Straits, ½c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.
tetrachloride anhy., ¼c. per lb.

**Reduced**

Chlorine, liquid, tanks, 15c. per 100 lbs.
Chrome cake, bulk, $1 per ton
Manganese dioxide, Caucassian, $7.50 per ton
Soda silicofluoride, dom., ¼c. per lb.

### Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 147.2 | 147.2 | 147.2 | 154.5 |

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 99.6 | 99.6 | 99.6 | 99.6 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7**

held unchanged at the 11¼c. per pound level. A fair volume of business made its appearance in the foreign market, and quotations ranged from 10.41c. to 10.47½c. per pound, c.i.f. European base ports.

**Copperas.**—Much attention was attached to the sharp decline in steel operations as to its effect on the production of this material. Last week steel operations were scheduled at 38.8 percent of capacity, compared with 51.7 percent in the preceding week and 19.2 percent in the corresponding week a year ago. Business was routine and stocks were ample at present to meet withdrawals.

**Manganese Dioxide.**—Schedule for the Caucasian, 85-90 percent material was reduced, effective January 1, contracts will be accepted on this basis for 1939, subject to usual quarterly adjustment clause. The new quotations follow:—Barrels, car lots, works, $51.50 per ton; less car lots, 5 tons, works, $54.50 per ton; smaller lots, works, $59.50 per ton; burlap bags, car lots, works, $49.25 per ton; less car lots, 5 tons, $52.25 per ton; smaller lots, works, $57.25 per ton; paper bags, car lots, works, $47.50 per ton, and less car lots, 5 tons, works, $50.50 per ton.

**Nickel Salts.**—Contract renewal work provided the chief interest in the market last week. Current withdrawals were somewhat limited at this time, although a steady demand prevailed in most quarters.

**Potash Carbonate.**—There was little incentive on the part of major consumers to commit themselves beyond nearby requirements at this time. A good response was reported for this year's contract requirements.

**Potash Caustic.**—Withdrawals by the most consumers confined to routine proportions throughout the past week. Price tone was steady, and contract renewals made their appearance in good volume.

**Potash Chlorate.**—Demand from the match trade was steady for necessary quantities. Pricewise the market maintained a steady to firm tone.

**Potash Cyanide.** — Usual consumers provided a fair interest in the market last week for nearby production requirements. Prices ruled unchanged.

**Salt.**—Industrial demand was somewhat slower last week, but the return of cold weather was a favorable factor in several sections for ice control work. There was nothing new to report in the price schedule.

**Soda Ash.**—Consumers were making only necessary withdrawals at this time. Sellers continue actively engaged in contract work for this year. Japan has fixed the maximum price for soda ash at 115 yen per metric ton, f.o.b. factory. Officials of the Ministry of Commerce and Industry, however, reportedly consider the price of 115 yen too high in view of the fact that the maximum price for caustic soda is fixed at 215 yen.

**Soda Bicarbonate.**—The market was concerned with routine transactions for the most part last week. Contract work for next year was practically completed, with the results very gratifying in most quarters.

**Soda Caustic.**—Large consumers were content to follow a cautious purchasing policy as the year end period restricted operations in some basic consuming industries. Contract work was well under way for this year's requirements.

**Soda Cyanide.**—Some leveling off in the demand was evident as the usual year-end tapering off in consumers operations restricted the desire to add to inventories. Contract renewals were making their appearance in good volume.

**Soda Phosphate.**—Withdrawals were held to minimum proportions in not a few instances last week. There was little desire on the part of large consumers to place forward commitments. Contracts for this year were making their appearance in normal volume.

**Soda Silicate.**—Business was somewhat slower from most major consuming channels, as the year end slowed down operations in some manufacturing lines. Price tone remained firm, and contract work was progressing at a favorable pace.

**Soda Silicofluoride.**—Domestic quotations were revised downward fractionally to 4½c. per pound in car lots and 4¾c. per pound in less than car lot quantities. Quotations are effective immediately, and contracts were being made on this basis for the first quarter of the year. Competition from the imported material was chiefly responsible for the lower quotations.

**Soda Stannate.**—A firmer price tone prevailed in the market last week, and quotations were ½c. per pound higher at 31½c. to 34½c. per pound. The higher prices could be attributed to the firmness prevailing in the Straits metal market.

**Tin Salts.**—Quotations for various tin derivatives were fractionally higher last week. Tin crystals were quoted at 36½c. to 37c. per pound; anhydrous tetrachloride of tin 23¾c. per pound and anhydrous stannous chloride of tin 44½c. to 45c. per pound. Straits metal was 46¾c. per pound. World tin production in the first ten months of this year amounted to 127,900 tons, compared with 164,200 tons in the corresponding period of 1937, according to the Interntaional Tin Research and Development Council. The world's apparent tin consumption to October 31 this year was 166,500 tons, against 129,400 in 1937.

**Zinc Chloride.**—There was comparatively little feature to the market throughout the past week. Sellers were concentrating on contract work for the new year, and returns so far have been along steady lines.

## Acids

Dullness characterized the dealings in practically all mineral acids throughout the past week. There was little disposition on the part of major manufacturing consumers to place commitments beyond urgent requirements. This could be attributed in part to the tapering off of business because of the holiday and inventory influences and the desire to await the turn of the year to discern the future trend of business. Contract renewal work continued to occupy the attention of sellers, and much of this work has been consummated. The market lacked any developments pricewise.

**Acetic.**—Usual year end leveling off in demand was noticeable in most directions last week. Contract work, however, was proceeding at a good pace in practically all directions.

**Chromic.** — Sellers were busily engaged in renewing contracts at current levels for the new year and returns have been coming in from most major consuming channels. Business was quiet last week.

**Naphthenic.** — Quotations were firm, and will be carried forward into the new year at the same basis. Withdrawals were of a routine character.

**Muriatic.** — Major consumers displayed more than usual caution in making large size commitments in the market last week. Prices were unchanged.

**Nitric.**—There was little of importance to relate in the market, and shipments were usually held to necessary requirements. Contract renewals made their appearance in fair volume.

**Oxalic.**—Some recession in the demand was evident as the holidays and year-end inventory period restricted operations in most consuming lines. Sellers report contracts for this year were pretty much cleared up.

**Sulphuric.**—The usual year-end lethargy in basic consuming industries operations held business to small proportions last week. There was little incentive to place forward commitments, and cautious purchasing policy predominated in most directions. A majority of large consumers have signed contract renewals for this year's requirements.

BALTIMORE, Dec. 28.—With a considerable number of the consumers of sulphuric acid having contracted for their probable requirements during the next year within the month that is now drawing to a close, the end of the year period assumed an air of quiet. Quotations stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. This also applies to oleum, which remains steady at $17 per ton for 20 percent supplies.

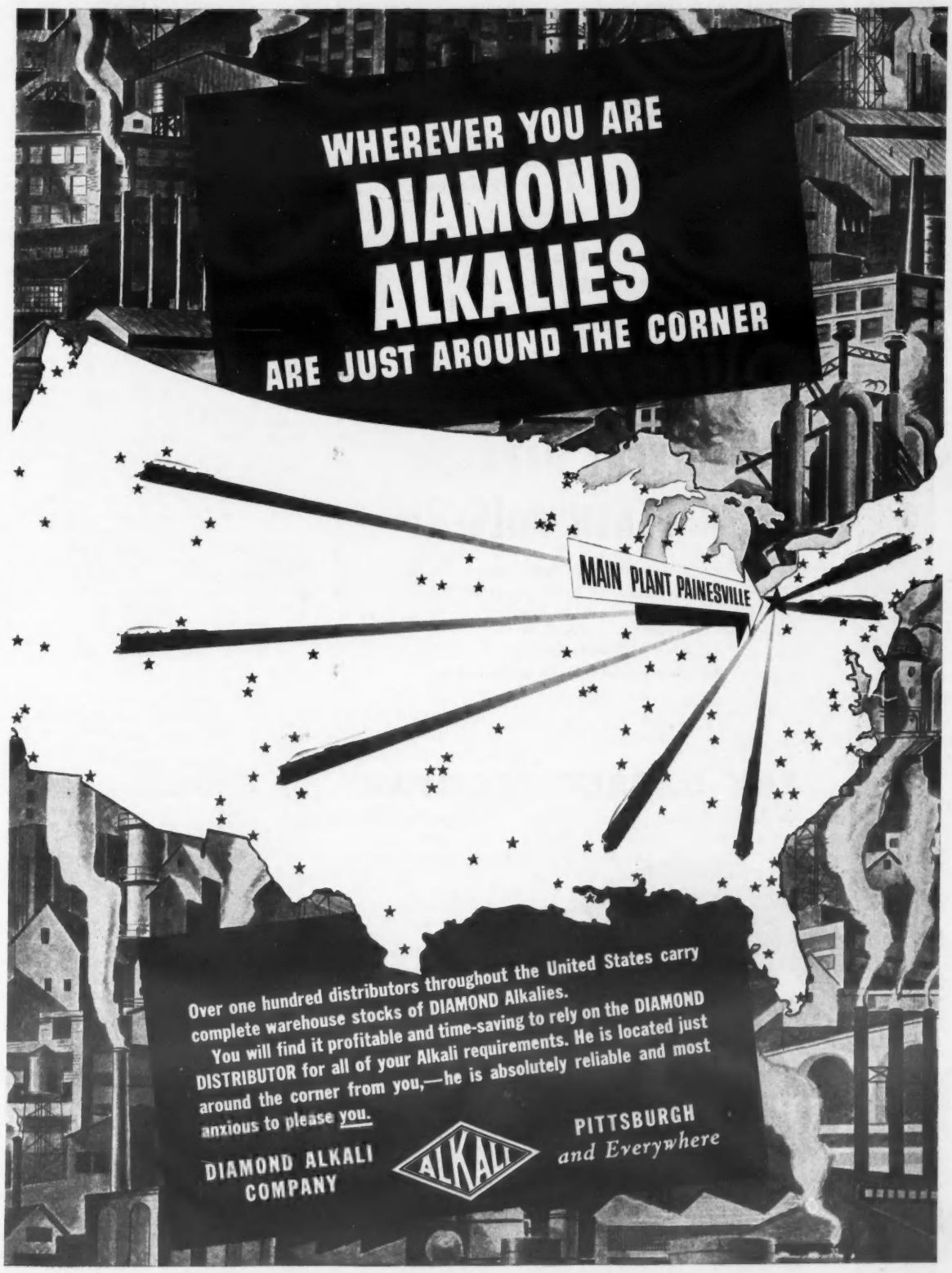
## Insecticides

The market for agricultural insecticides and fungicides continued to feel the effects of seasonal lethargy in the domestic demand. With the exception of some demand for export, the market remained featureless. Price schedules were unchanged in all instances. Sellers were concentrating on next season's business, and preparations were well under way already.

A quarantine on account of white-fringed beetle infestations in areas in Alabama, Florida, Louisiana and Missis-

—*Continued on page* 37

**Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7**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# Coaltar Chemicals

**Domestic Crude Naphthalene Schedule Revised Downward —Dimethylaniline Reduced — Benzol Output Higher —November By-Product Production Advances**

The release of 1939 price schedule for domestic crude naphthalene provided the most interesting development in the coaltar chemical market last week. Quotations for this year will be lower, while the only other change included a reduction for dimethylaniline. Aside from the price adjustments mentioned, several intermediates were carried into 1939 at present levels. Dullness characterized the transactions in all divisions of the market, with usual year-end inventory and holiday influences accountable for the cautious purchasing policy.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

None

**Reduced**

Dimethylaniline, 3c. per lb.
Naphthalene, crude, dom., 74 deg., 10c. per 100 lbs.
78 deg., 25c. per 100 lbs.

### Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **125.6** | **125.7** | **125.9** | **127.3** |

Market news that may have developed after this report was sent to press will be found on page 4.

The upward trend of coke-operation activities since the middle of the year was extended during November. Total production from byproduct and beehive ovens rose to 3,347,723 tons, an increase of 191,617 tons, or 6 percent, over the October output of 3,156,106 tons. The November daily rate of 111,951 tons gained 9.5 percent over that of October and was only 1.7 percent below the rate obtained in November, 1937, according to the Bureau of Mines.

The output of byproduct coke for the 30 days of November amounted to 3,277,523 tons, or 109,251 tons per day, an advance of 9.5 percent over the October rate of 99,768 tons, and of 1.7 percent over the rate prevailing in November, 1937. November was the first month in 1938 to show a gain over the corresponding month of 1937. The improvement was more pronounced at furnace plants, where the daily rate of operations was 13 percent higher than the October rate, while at merchant plants a moderate gain of 1.6 percent was made. One furnace plant, idle since the middle of May, resumed operations during November, and at another furnace plant 15 new ovens were added. The total number of plants making coke was 81, of which 78 recovered ammonia and 52 made benzol.

Stocks of coke at furnace plants dropped 2 percent by the end of November, while those at merchant plants rose slightly more than 2 percent. At the rate of production in November, total byproduct stocks were sufficient to last 34.3 days, in comparison with 37.2 days' supply at the close of October.

Light oil output during November was estimated at 13,450,153 gallons, against 12,688,033 gallons in the preceding month and 13,308,576 gallons in November, 1937. For the first eleven months this year production aggregated 117,321,927 gallons, compared with 192,861,157 gallons in the corresponding period a year ago. Tar Recovery for November was estimated at 40,951,327 gallons, contrasted with 38,630,920 gallons in the previous month and 40,520,295 gallons in November, 1937. For the first eleven months this year output amounted to 356,625,437 gallons, as against 587,188,264 gallons in the same period a year ago. November output of ammonia sulphate or its equivalent was 89,970,000 pounds, compared with 84,011,000 pounds in October and for the first eleven months this year totaled 781,589,000 pounds.

## Basic Products

**Benzol.**—Production of benzol continued to show improvement, according to the latest available statistics. Output for the month of October was estimated at 7,619,000 gallons, compared with 7,100,000 gallons in the preceding month and 7,472,000 gallons in the corresponding month a year ago, according to the Bureau of Mines. For the 11 months to November, production aggregated 63,560,000 gallons, against 110,674,000 gallons in the same period a year ago. While improved coking operations have expanded benzol production, the broader demand restricted accumulation of stocks. There was some year end dwindling in spot orders last week, but on the whole the market maintained a satisfactory position. Pricewise a steady to firm tone remained in evidence.

**Creosote Oil.**—Interest in the market was not very active last week, with shipments confined to urgent requirements in most instances. Contract work occupied the attention of the trade, and renewals were making their appearance in satisfactory volume.

**Cresol.**—Business was of a routine character in most directions, reflecting to a large extent the normal seasonal let down from most consuming channels as the year end inventory period approaches.

**Cresylic Acid.**—The market moved through a rather dull period. There was little disposition on the part of large consumers to add to inventories at this particular time. Contract work was well underway, and good progress was uncovered in most quarters at the recently announced quotations. There were no new developments in the import market.

**Napthhalene.**—Prices for domestic crude naphthalene were revised downward. The schedule follows:—74 degree, bags, car lot, works, $2.25 per 100 pounds; less car lot, bags, barrels, $2.50-$2.60 per 100 pounds; 78 degrees, bags, car lot, works, $2.50 per 100 pounds; less car lot, bags, barrels, works, $2.75-$2.85 per 100 pounds. Demand was neglible in the market last week, with most major consumers content to mark time for the present.

**Phenol.**—Commitments were usually held to necessary requirements last week. Few large consumers showed any disposition to alter their conservative policy at this time. Contract work for next year was occupying the attention of sellers, with results to date quite satisfactory.

**Tar Acid Oil.**—Dealings in the market were without particular feature throughout the past week. Prices were firm at the recently established levels, and contracts were making their appearance in satisfactory fashion for next year's requirements.

**Toluol.**—While some recession in the volume from recent weeks, was discernible, the market continued to give a comparatively good account of itself. Prices were firm, and consumers were showing little hesitation in renewing contracts for next year at the same levels.

**Xylol.**—The market continued in a firm position. Stocks of material were none too plentiful, although adequate to meet the demand at this time. The lacquer trade provided the chief interest in the market.

### Chicago Coaltar Bases

Coaltar bases are quiet and steady, with buying proceeding along orderly, featureless lines. Inquiry has been along fairly broad lines in the trade recently, with orders also considered good for this time of year. Movement of benzol is considered adequate. Output of these materials is still along moderate lines. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 28c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

## Coaltar Acids

**Broenner's.**—A firm price tone characterized the dealings, and quotations will remain unchanged during the early part of the year. Dealings were for small quantities to satisfy nearby requirements.

**Cleve's.**—Routine commitments made up practically all the business in this direction last week. Prices were carried into 1939 at the present levels.

**Fumaric.**—Quotations were extended

**Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7**

into the early part of this year. There was little feature to transactions in the market last week.

**Gamma.** — Current quotations will hold unchanged during the early part of this year. Commitments were held to urgent requirements.

**Sulphanilic.** — Quotations for the technical material remain unaltered. Transactions in this direction were held to nearby requirements.

## Other Intermediates

**Alphanaphthol.** — The market continued to display a firm tone, and quotations were unchanged for the early part of 1939. Demand was limited to small quantities at this time.

**Benzidine Base.**—Present prices were carried into the new year at the same levels. The call was held to nearby needs for the most part throughout the past week.

**Betanaphthylamine.**—Quotations will continue firm for 1939. Current shipments were somewhat small as the year end period limited the demand.

**Dimethylaniline.** — Prices were revised downward 3c. per pound, making car lots 23c. per pound; less car lots, 24c. per pound.

**Dinitrobenzene.**—Business was along quiet lines last week. Prices will continue firm at present levels.

**Dinitrotoluene.**—Contracts were extended into the new year at current levels. Business was for current requirements.

**Metanitroaniline.**—No change was uncovered in the quotations, and present prices were extended into the 1939 year. Dealings were along routine lines.

**Nitrobenzene.**—Quotations will be extended into the 1939 year at current levels. Major consumers were making only necessary commitments at this time.

**Orthotoluidine.** — The market was quiet throughout the week. Prices will remain firm into the 1939 year.

**Paranitrotoluene.** — Prices were carried forward into 1939 at present levels. A cautious purchasing policy characterized the dealings in most directions.

**Thiocarbanilide.**—Prices will remain firm for 1939 year. Current business was restricted to nearby production requirements.

**Xylidin.**—The market lacked any important feature from a demand standpoint. Quotations were firm into the 1939 year.

## Coaltar Colors

Demand for most coaltar colors followed the usual pattern of tapering off as the holiday and year and influence restricted operations in major consuming industries. Prospects for a more normal market appeared bright in view of the improved operations in many important branches of the textile trade, and the readjustment of inventory positions in not a few lines. Pricewise the market retained a firm tone, and sellers were reporting better than average progress in closing contracts for the early part of next year at current levels.


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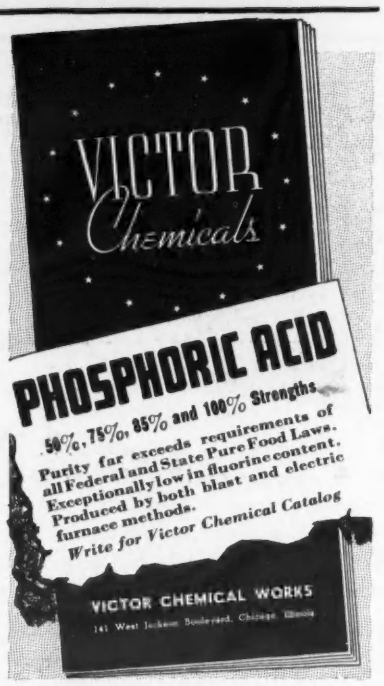
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# Dyestuffs, Textile and Leather Chemicals

**Demand Slackens Under Year-End and Holiday Influences —Tanning Materials Unchanged—Zinc Dust Firm —Steady Call for Corn Derivatives**

Demand for dyestuffs, textile and leather chemicals slackened as year end and holiday influences restricted commitments from basic manufacturing consumers last week. The less than seasonal decline in operating schedules of the textile and leather trade augured well for a resumption of business on a more active scale after the turn of the year. There was little disposition to alter quotations in either direction, and the market was featureless pricewise.

Contract renewal work took up the lag in actual business, and in those materials which are on a contract basis as well as spot, sellers were able to report satisfactory progress for this year's requirements. Bichromates particularly were well booked by major consumers for this year. Favorable reports were likewise received from most quarters on alumina acetate and the dyewood extracts. Zinc dust continued firm. There was little of interest to report in natural dyestuffs, with cochineal and logwood marking time. Egg products were quiet, but prices were well sustained. Corn derivatives were fairly well booked ahead, as some sellers hastened to cover before prices advanced. Tanning materials experienced a quiet week, although improved buying of leather was expected to be reflected in a resumption of activity after the first of the year. Gambier common continued scarce and quotations were nominal. Mangrove bark, myrobalans, sumac and valonia were steady and unchanged.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

None

**Reduced**

None

### Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 147.1 | 147.1 | 147.0 | 155.3 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Chemicals

**Alumina Acetate.**—There was little disposition on the part of consumers to add to stock at this time, and commitments were held to minor proportions. Quotations ruled firm.

**Potash Bichromate.** — Withdrawals were somewhat limited throughout the past week, but sellers were busily engaged in writing contracts for this year's requirements.

**Potash Prussiate.**—Consumers were taking only necessary quantities to take care of urgent needs. November imports amounted to 18,409 pounds, valued at $4,443, of which 14,330 pounds came from Germany and 4, 079 pounds from the Netherlands.

**Soda Bichromate.**—Contract renewals continued to make their appearance in good volume for future requirements, while current transactions were on a moderate scale at this time.

**Zinc Dust.**—A steady to firm price tone governed the dealings throughout the week just closed, reflecting the steadier tone in the basic metal market. Business was generally dull.

## Dyestuffs

**Annatto.**—There was little feature to the trading in the market during the past week. Prices remained firm. November imports of annatto and extracts totaled 33,878 pounds, valued at $1,223, of which 33,000 pounds came from Ecuador and 878 pounds from the Dominican Republic.

**Cochineal.**—Most consumers were content to mark time, and make only small commitments to cover nearby needs. Prices ruled unchanged. November imports aggregated 10,270 pounds, valued at $2,905, of which 3,924 pounds came from Peru and 6,346 pounds from the Canary Islands.

**Logwood.** — Routine dealings characterized trading in this direction during the week just closed. The holiday and year-end influences restricted business to a large extent. Prices were without alteration. November imports of logwood extract totaled 2,358 pounds, valued at $424, all of which came from France.

**Turmeric.**—The market experienced a dull week, and withdrawals were for small quantities in practically all instances. Prices were without change. November imports amounted to 4,256 pounds, valued at $132, all of which came from British India.

## Sizing Materials

**Albumen, Egg.**—Quiet conditions prevailed in the market again last week, and shipments were confined to nearby needs in most instances. Pricewise the market was without change, and a steady tone ruled.

**Dextrin.**—Movement of various grades of dextrin were fairly broad, and some covering for future requirements was evident in view of the firmer price tone recently. Quotations were held at levels established a few weeks ago.

**Egg Yolk.**—A firm price tone prevailed in the market, while there was little feature to the dealings at this time, any sudden inquiry may deplete the comparatively small stocks available.

**Starch.**—A steady inquiry was manifest in the market for corn starch throughout the period under review. Sellers were able to point to a good volume of orders on the books at the recently established price levels, which are expected to continue until January 11th. Visible supplies of corn for week ended December 24 totaled 47,718,000 bushels, compared with 46,092,000 bushels in the preceding week and 32,822,000 bushels in the same week a year ago.

## Tanning Materials

**Gambier.**—Quotations for the common were nominal, and the scarcity of material continued. A steady to firm price tone prevailed in the market for the plantation and Singapore cubes. Dealings were held to small quantities last week.

**Mangrove Bark.**—Business was dull and prices were unchanged last week. Philippine exports of mangrove bark extract totaled 1,380 tons in the third quarter of 1938, compared with 1,000 tons in the second quarter and 1,623 tons in the third quarter of 1937. Shipments were restricted in June because of a shortage of shipping facilities, but picked up in July. Production is continuing at a normal rate, though sales in the United States have fallen considerably below normal, according to a report to the Department of Commerce.

**Myrobalans.**—A steady price tone governed the dealings in the market, and quotations established the preceding period were well maintained. Business was quiet last week.

**Quebracho.** — Trading was held to nearby production requirements last week. Contract work for various grades of material made up the bulk of the business. A steady to firm price tone prevailed.

**Sumac.**—Quotations for the ground and leaf material were unchanged. There was little activity in the market throughout the past week.

**Valonia.**—Dullness was the rule in most quarters, as consumers followed a conservative purchasing policy at this time. Prices were unchanged.

**Wattle Bark.**—The market experienced no price fluctuations for the African material, and quotations established the preceding week were well maintained. Current business was confined to routine proportions in practically all instances.

**Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7**

# Paint, Varnish, Lacquer Materials

**Domestic Rottenstone Price Cut—Titanium Dioxide Reduced —Outlook for 1939 Bright—Increased Building Seen —Rosin and Turpentine Quiet**

A severe slash in the prices of domestic rottenstone, and reduced prices for titanium dioxide were the outstanding activities in the market last week. From indications of orders already received the outlook for many of the paint materials in the early days of 1939 will be much better than in the corresponding period of last year. Increased building by both private interests and the government indicated in Bureau of Labor report will mean increased sales for paint manufacturers.

Domestic stocks of carbon black in Japan have been steadily running short and the present volume of imports licensed by the Japanese Government is not sufficient to meet the demand of the rubber manufacturers there, according to a report by the American Commercial Attache in Tokyo. The Rubber Manufacturers Association of Japan has applied to the government for permission to import about 1,000,000 pounds of black monthly in order to meet requirements. Total imports under the first, second and third licenses aggregated about 980,000 pounds, while the fourth license, to be issued shortly, will total about 500,000.

Southern and local markets for rosin and turpentine ruled quiet last week, buyers being inclined to hold off on the eve of the inventory-taking period. The tendency of prices was downward at times but the undertone in the South was regarded as steady or firm. The movement from the interior to the seaboard showed a further slowing down and daily offerings in primary markets were light.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Rosin, gum, pale grades, 10c. to 20c. per 280 lbs.

**Reduced**

Rosin, gum, low, medium grades, 5c. to 10c. per 280 lbs.
Rottenstone, dom., c.l., f.o.b. mines, $12.50 per ton
Titanium dioxide, plain, 1c. per lb.
phthalate-treated, 1c. per lb.
Turpentine, gum, ½c. per gal.

### Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 131.7 | 131.7 | 131.1 | 131.6 |

Market news that may have developed after this report was sent to press will be found on page 4.

### Metallic Lead and Zinc

Purchasing of lead slowed up a bit last week but sellers reported the demand satisfactory for this time of year. Th price remained steady and unchanged as did the price of slab zinc. The main feature of the lead market was the recovery in the price on the London Metal Exchange, following a decrease earlier in the week.

**Lead.**—Prevailing spot prices at New York, East St. Louis and London for the period from December 24 to 30, inclusive, were as follows:—

| | Pigs: Per pound, New York. | Pigs: Per pound, E. St. Louis. | Spot. London. Per ton £ | s. | d. |
|---|---|---|---|---|---|
| Saturday | $0.0475@.0480 | $0.0460 | 15 | 0 | 0 |
| Monday | ....@.... | .... | .. | .. | .. |
| Tuesday | .0485@.0490 | .0470 | .. | .. | .. |
| Wednesday | .0485@.0490 | .0470 | 15 | 7 | 6 |
| Thursday | .0485@.0490 | .0470 | 15 | 7 | 5 |
| Friday | .0485@.0490 | .0470 | 15 | 0 | 0 |

**Zinc.**—Prevailing spot prices at New York, East St. Louis, and London, for the period from December 24 to 30 inclusive, were as follows:—

| | Slabs: Per pound, New York. | Slabs: Per pound, E. St. Louis. | Spot. London. Per ton £ | s. | d. |
|---|---|---|---|---|---|
| Saturday | $0.0490 | $0.0450 | .. | .. | .. |
| Monday | .... | .... | .. | .. | .. |
| Tuesday | .0490 | .0450 | .. | .. | .. |
| Wednesday | .0490 | .0450 | 13 | 0 | 9 |
| Thursday | .0490 | .0450 | 14 | 0 | 0 |
| Friday | .0490 | .0450 | 14 | 0 | 0 |

### Pigments

A reduction in the price of titanium dioxide pigments to become effective immediately was the feature of the market here last week. The reduction was seen only in States east of the Rockies. Increased activity of lithopone, and seasonal dullness for the rest of the market were noted. Buyers were indisposed to take in supplies and most producers reported they were engaged in contracting for the new year.

**White Lead.**—There was very little interest in the market last week. Manufacturers are now booking contracts for the first quarter of 1939 at the price level that has been in force during the past month.

**Red Lead.**—Typical seasonal slackness was reported last week. The price increase, following the rise of metallic lead two weeks ago, remained the same. The 20-ton carlot prices are now: 95 percent, 7.60c.-7.35c. per pound; 97 percent, 7.85c.-7.60c. per pound; and 98 percent, 7.85c.-8.10c. per pound. L.c.l. prices are unchanged.

**Litharge.**—The demand in the market continued quiet. Like lead, litharge prices were the same following the increase in the price of metallic lead two weeks ago. Recent prices are 6.60c.-6.35c. per pound for 20-ton carlots.

**Lithopone.**—A surprising increased activity for this time of year was reported last week by some of the producers of this pigment. The price, however, remained unchanged. Lithopone imports into Portugal in 1937 amounted to 823,094 kilos. Belgium-Luxemburg was the largest source of supply with a figure of 658,709 kilos, while the United States was far down the list of countries with a figure of 4,000 kilos.

**Titanium Pigments.**—Producers of titanium dioxide, plain and phthalate-treated, announced last week a 1c. per pound reduction. Prices in force now for the delivery of the plain in bags and barrels are: Carloads, 14c. and 14½c. per pound; five tons, 14¼c. and 14½c. per pound; less than five tons to 1,000 pounds, 14½c. to 14¾c. per pound; 999 to 50 pounds, 14¾c. to 15c. per pound; and less than 50 pounds, 17c. per pound. Present prices for delivery in bags and barrels of the phthalate-treated are: carloads, 22c. and 22¼c. per pound; five tons, 22¼c. and 22½c. per pound; less than five tons to 1,000, 22½c. and 22¾c. per pound; 999 to 50 pounds, 22¾c. and 23c. per pound; and 25c. per pound for delivery of less than 50 pounds. These prices are in effect East of the Rockies only, no report of possible changes on the Pacific Coast having been made yet. Prices of titanium dioxide white pigments have not been changed.

**Zinc Oxides.**—These pigments are suffering the year-end inactivity but producers are looking forward to a spurt in business in the early part of this month.

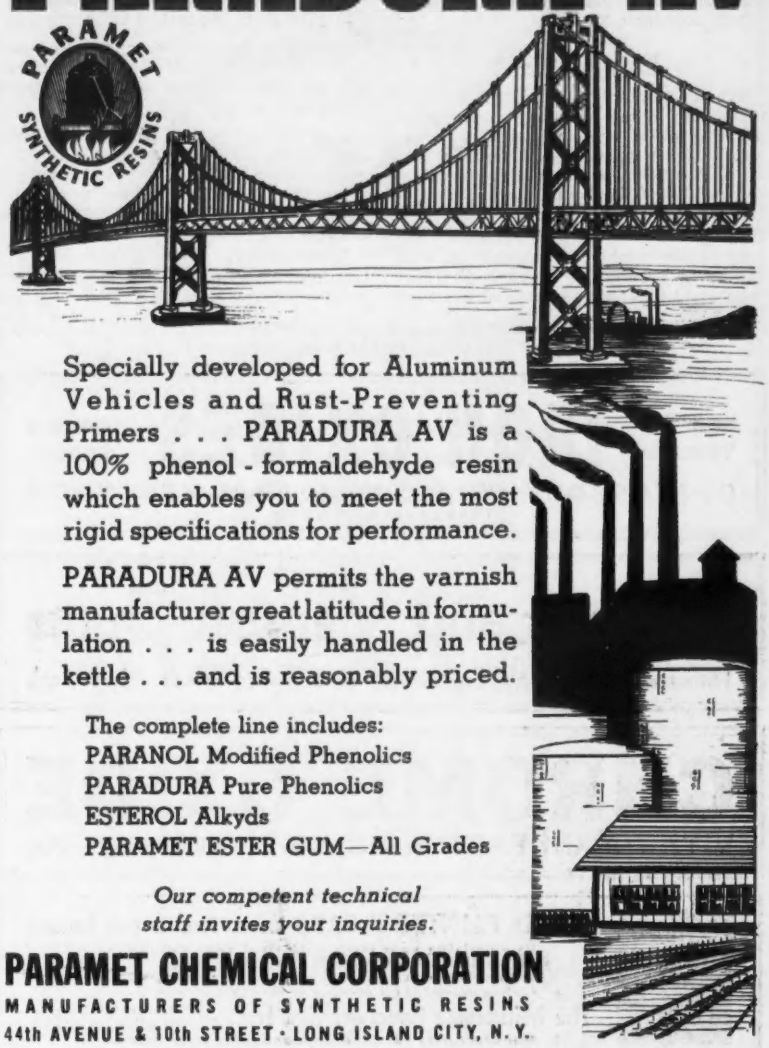
### Fillers and Extenders

The feature in this division of the market last week was a drastic reduction in the price of rottenstone. Other inert pigments, fillers and extenders moved in a small way, encountering the usual December lull. Contracting for 1939 is reported to be moving slowly but is expected to pick up this month.

**Rottenstone.**—The price of domestic rottenstone underwent a $12.50 slash last week to a new level of $22.50 per ton, car lots. All material is now selling on an f.o.b. mines basis. The decrease did not influence purchases to any noticeable extent.

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**


PARADURA AV

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**Barytes.**—There has been no change in the structure of prices for this material. Spot demands have been negligible, with sellers concentrating on negotiating contracts for 1939.

## Dry Colors

Year-end inventories prohibited active movement of the materials in this market. No price changes were reported, and little demand in the market was seen. Producers are looking forward to the middle of this month to witness increased activity.

**Carbon Black.**—As 1938 closed, the tone of the market remained firm, with the price continuing through the first quarter of this year at least, at the level of the past few months. Of some interest to producers here was the report of the opening of a new factory in Sweden for the manufacture of automobile tires and mechanical rubber goods.

**Chrome Colors.**—The outstanding activity in this market was the negotiating of contracts for 1939. No price changes were reported.

**Iron Blues.**—Sellers of Prussian, Chinese, Milori and other blues in this group were booking for 1939 business at the unchanged price of 36c. per pound which will be in force during the initial quarter of the new year.

**Lithol Toner.**—Contracts for 1939 are being written for the full year, subject to quarterly price adjustment, at 68c. per pound. The open order price is 73c. per pound.

**Ultramarine Blue.**—Little local movement was noted. Imports of ultramarine blue into Mexico in 1937 were 388,639 kilos, according to the American Commercial Attache at Mexico City. Belgium, as the main source of supply, with the United States third in trade, supplying 92,690 kilos.

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**

## Varnish Gums

Although there has been little spot business reported in this market, producers express satisfaction at the movement of the contracting for 1939. Business suffered the expected seasonal inactivity and not much pick-up is looked for until this month.

**Copals.**—The market continued quiet and unchanged, with sellers occupied contracting for 1939.

**Dammars.**—The tone of the market was firm at the reduced price that was noted a month ago.

## Synthetic Resins

The movement of ester gum was reported last week as very slow. The tone of the market was easy, with some sellers quoting at the basis of 6c. per pound. The majority, however, held the higher figure of 6¼c. per pound.

## Naval Stores

Southern and local markets for naval stores were quiet last week as usual during the year-end holiday period, when many consumers and dealers are preparing for the work of inventory-taking. In some quarters the opinion was held that no material broadening of business was likely to be witnessed until more definite announcements of an official character were forthcoming concerning aid from the government in the matter of financing production and marketing operations next season. The committee representing producers, it is reported, will return to Washington in the near future in connection with the movement to secure sufficient funds to cover operations during all of the coming season.

The undertone of Southern markets last week was regarded as steady, or firm, despite a downward tendency of prices, at times; developments in this respect being attributed mainly to the lack of interest on the part of buyers. Sales in primary markets as officially reported were light and the movement to consumers on contracts was also reported as comparatively small, although, in the case of rosin consumption in some fields is said to have increased recently. As had been expected, receipts in seaboard markets were lighter. Lower temperatures were said to account in some measure for the decrease in marketing, but it was contended that the movement during the remainder of the current season will probably prove unusually small, regardless of weather conditions or the course of prices.

The naval stores crop in Greece was unfavorably affected by cool weather during November, according to consular advices from Athens. Earlier in the season it was estimated that the total gum output would be about 25,000 metric tons, but it is now believed that the total 1938 dip will not exceed 23,500 metric tons, which would be about 17 percent below last year's record gum production of 28,300 metric tons. Based upon this estimate the total yield of naval stores from the 1938-39 crop is now estimated roughly at 26,000 American barrels of turpentine and 84,000 barrels of rosin. By the middle of November most of the gum crop had been collected and transported to the stills.

**Turpentine.**—The local market for turpentine had a steady or firm undertone during the week, although the tendency was downward at one time. There was little change in the character of business, the inquiry from consumers and dealers being reported as small, as usual at the close of the year, when preparations are under way for the work of inventory-taking. Primary receipts were light.

SAVANNAH, Dec. 30.—Turpentine ruled quiet. Following is a record of the market for the week:—

| | Cents per gal. | Barrels Sales. | Re-ceipts. | Ship-ments. | Stocks. |
|---|---|---|---|---|---|
| *Saturday | .. | ... | ... | ... | ..... |
| *Monday | .... | ... | ... | ... | ..... |
| Tuesday | 22½ | ... | 57 | 85 | 52,781 |
| Wednesday | 22½ | 183 | 190 | 115 | 52,856 |
| Thursday | 23 | 10 | 146 | 410 | 52,592 |
| *Friday | . | ... | ... | ... | ..... |

* No trading.

CHICAGO, Dec. 30.—The turpentine market is slow, as expected at this time of year. Ruling prices at the close of business last night were:—Five-drum lots, 30c.


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BOSTON CHICAGO LOS ANGELES ST LOUIS TORONTO, CANADA MEXICO, D. F.

per gallon; five wood barrels, 35c.; single drums, 33c.; single barrels, 38c.

JACKSONVILLE, Dec. 30.—The turpentine market had a steady tone. Following is a record of the market for the week:—

| | Cents per gal. | Barrels Sales. | Barrels Receipts. | Barrels Shipments. | Barrels Stocks. |
|---|---|---|---|---|---|
| *Saturday | .. | ... | ... | ... | ..... |
| *Monday | .. | ... | ... | ... | ..... |
| Tuesday | 23½ | ... | 634 | 3 | 49,646 |
| Wednesday | 22½ | 78 | 55 | ... | 49,701 |
| Thursday | 23 | 15 | 74 | 4 | 49,771 |
| *Friday | .. | ... | ... | ... | ..... |

* No trading.

PENSACOLA, Dec. 24.—The movement of turpentine was lighter. Following is a record of the market for the week:—

| | Barrels Receipts. | Barrels Shipments. | Barrels Stocks. |
|---|---|---|---|
| Monday | 58 | ... | 31,574 |
| Tuesday | 89 | ... | 31,663 |
| Wednesday | 63 | ... | 31,726 |
| Thursday | 53 | ... | 31,876 |
| Friday | 97 | ... | 31,973 |
| Saturday | 76 | 253 | 31,699 |

LONDON, Dec. 30.—Quotations on turpentine were as follows:—

| | Per cwt. In bbls. s. | d. |
|---|---|---|
| *Saturday | .. | .. |
| *Monday | .. | .. |
| *Tuesday | .. | .. |
| Wednesday | 33 | 3 |
| Thursday | 33 | 3 |
| Friday | 33 | 3 |

* Holidays.

Stocks of American turpentine in London were:—

| | Dec. 30. | Previous week. | Last year. |
|---|---|---|---|
| Barrels | 28,759 | 29,079 | 28,789 |

**Rosin.**—Quiet conditions continued to prevail in the local market for rosin last week, interest on the part of consumers and dealers being limited as usual at the year-end to small lots, especially as there was nothing stimulating in the way of market developments in the South where transactions were also on a limited scale. The movement from the interior to the seaboard continued to diminish and daily offerings in primary centers were light or moderate.

SAVANNAH, Dec. 30.—Rosin quotations moved within a narrow range. Following is a record of the market for the week:—

| | Price per unit—Low of range quoted *Sat. | *Mon. | Tues. | Wed. | Thurs. | *Fri. |
|---|---|---|---|---|---|---|
| B | ... | ... | $3.75 | $3.60 | $3.70 | ... |
| D | ... | ... | 3.95 | 3.80 | 3.90 | ... |
| E | ... | ... | 4.10 | 3.95 | 4.00 | ... |
| F | ... | ... | 4.25 | 4.10 | 4.25 | ... |
| G | ... | ... | 4.35 | 4.20 | 4.35 | ... |
| H | ... | ... | 4.35 | 4.20 | 4.35 | ... |
| I | ... | ... | 4.35 | 4.22½ | 4.37½ | ... |
| K | ... | ... | 4.35 | 4.25 | 4.40 | ... |
| M | ... | ... | 4.40 | 4.35 | 4.50 | ... |
| N | ... | ... | 5.35 | 5.35 | 5.50 | ... |
| WG | ... | ... | 5.80 | 5.80 | 5.90 | ... |
| WW | ... | ... | 6.30 | 6.30 | 6.50 | ... |
| X | ... | ... | 6.30 | 6.30 | 6.50 | ... |
| Barrels | | | | | | |
| Sales | ... | ... | 142 | 404 | 837 | ... |
| Receipts | ... | ... | 1,291 | 443 | 416 | ... |
| Shipments | ... | ... | 2,705 | 90 | 1,412 | ... |
| Stocks | ... | ... | 315,615 | 315,968 | 314,972 | ... |

* No trading.

JACKSONVILLE, Dec. 30.—The rosin market had a steady undertone. Following is a record of the market for the week:—

| | Price per unit—Low of range quoted *Sat. | *Mon. | Tues. | Wed. | Thurs. | *Fri. |
|---|---|---|---|---|---|---|
| B | ... | ... | $3.60 | $3.60 | $3.60 | ... |
| D | ... | ... | 3.95 | 3.80 | 3.60 | ... |
| E | ... | ... | 4.10 | 3.95 | 3.95 | ... |
| F | ... | ... | 4.25 | 4.10 | 4.10 | ... |
| G | ... | ... | 4.32½ | 4.20 | 4.20 | ... |
| H | ... | ... | 4.35 | 4.20 | 4.20 | ... |
| I | ... | ... | 4.35 | 4.22½ | 4.22½ | ... |
| K | ... | ... | ... | ... | ... | ... |
| M | ... | ... | 4.35 | 4.35 | 4.35 | ... |
| N | ... | ... | 5.40 | 5.20 | 5.20 | ... |
| WG | ... | ... | 5.75 | 5.75 | 5.75 | ... |
| WW | ... | ... | 6.30 | 6.25 | 6.25 | ... |
| X | ... | ... | 6.40 | 6.25 | 6.25 | ... |
| Barrels | | | | | | |
| Sales | ... | ... | 158 | ... | ... | ... |
| Receipts | ... | ... | 2,362 | 736 | 476 | ... |
| Shipments | ... | ... | 421 | 65 | 758 | ... |
| Stocks | ... | ... | 283,663 | 284,334 | 284,052 | ... |

* No trading.

PENSACOLA, Dec. 24.—The rosin market was quiet. Following is a record of the market for the week:—

| | Barrels Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. |
|---|---|---|---|---|---|---|
| Receipts | 288 | 271 | 511 | 508 | 641 | 381 |
| Shipments | 875 | 180 | 617 | ... | 101 | ... |
| Stocks | 79,174 | 79,265 | 79,159 | 79,667 | 80,207 | 80,588 |

CHICAGO, Dec. 30.—Extremely dull market conditions are reported in rosin. Ruling prices at the close of business last night were:—B grade, $6.75 per lot of 280 pounds; G grade, $7.35; M grade, $7.40; W.W. grade, $9.30.

LONDON, Dec. 30.—Quotations on American rosin were as follows:—

| | Per cwt. in barrels Common. s. | d. | W.W. s. | d. |
|---|---|---|---|---|
| *Saturday | .. | .. | .. | .. |
| *Monday | .. | .. | .. | .. |
| *Tuesday | .. | .. | .. | .. |
| Wednesday | 14 | 4½ | 17 | 3 |
| Thursday | 14 | 4½ | 17 | 3 |
| Friday | 14 | 4½ | 17 | 3 |

* Holidays.

**Pine Oil.**—A steady tone continued to prevail in the market here. There was a fair movement to local and other consumers though as usual at this season buyers were not inclined to anticipate.

**Pitch.** — Local quotations were generally maintained at the levels prevailing in the previous week with the tone of the market steady. Quiet conditions ruled so far as new business was concerned.

**Rosin Oil.**—The market here retained a steady tone in the absence of any material change in the position of basic material in primary centers. Business was quiet.

**Tar.**—Quiet conditions continued to prevail, local and other consumers being inclined to adhere to a very conservative course in purchasing operations at the year end.

## Shellac

Although the market for shellac was quiet throughout the final week of the year, conditions in that respect were about in line with those normal to trade as the business year draws toward an end. Pricewise, local values appeared to be reasonably steady. At least, no changes of quotable character were reported and since values were already on the low side, none was expected to develop in the immediate future.

Calcutta and London values receded some but the changes were fractional in degree. The feeling was that the foreign markets were basic as quoted throughout the period and it was apparent that world consumption was sufficient to check any material movement in favor of buyers of forward deliveries. The facts that stocks in London have worked down progressively throughout the year was counted a feature that ultimately may find reflection in a general, if moderate improvement in values in Calcutta especially. Compared with normal stocks in London, they are, of course, very large. Ten years ago, on February 1, the total was 18,244 packages; and that was long before the speculation that built up in London a stock of 314,800 packages on January 1, 1935.

**Calcutta**, Dec. 30.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

| | Per pound Dec. 30. | Dec. 23. |
|---|---|---|
| January | 10¼c. | 10½c. |

Day-to-day quotations were as follows:—

| | Per pound. |
|---|---|
| December 23 | 10½c. |
| December 24 | 10½c. |
| *December 26 | ..... |
| December 27 | 10½c. |
| December 28 | 10¼c. |
| December 29 | 10¼c. |
| December 30 | 10¼c. |

* Holiday.

**London**, Dec. 30.—Prices quoted on London standard T.N. shellac, basis of sterling exchange at $4.88, were as follows:—

| | December 30 Shillings. Cwt. | Cents. lb. | December 23 Shillings. Cwt. | Cents. lb. |
|---|---|---|---|---|
| March | 39 | 8.50 | 39½ | 8.61 |
| May | 40 | 8.72 | 40½ | 8.83 |

Day-to-day closing prices were as follows:—

| | Per hundredweight March. | May. |
|---|---|---|
| December 23 | 39s 6d | 40s 6d |
| December 24 | 39s 6d | 40s 6d |
| *December 26 | ... .. | ... .. |
| *December 27 | ... .. | ... .. |
| December 28 | 39s 3d | 40s 3d |
| December 29 | 38s 6d | 39s 6d |
| December 30 | 39s 0d | 40s 0d |

* Holidays.

## Lacquer Materials

While there was some leveling off in the volume of business, demand for most lacquer materials and solvents was well sustained last week. The uncertainty of prices was eliminated as the year ended with no new developments. Sellers were actively engaged in writing contracts for next year at the levels now prevailing. Work started earlier than usual in most chemicals, and returns have been making their appearance with good regularity. Some temporary tapering off was discernible in basic consuming industry operations because of the year-end and holiday intervention, but prospects remained cheerful for a resumption of business on the broader scale witnessed in the latter part of last year.

**Acetone.**—Interest was reported fairly steady in most directions last week, although in some instances caution was apparent as the year end and holiday influences intervened. Prices were steady to firm.

**Butyl Acetate.**—Business was moderately active throughout the week just closed, with some leveling off in volume discernible from time to time. Quotations remain firm.

**Dibutyl Phthalate.** — Prices were carried through the early part of this year at current levels. Contract work was well underway, and current business was fairly steady.

**Ethyl Acetate.**—A good amount of contract work was consummated at the recently established price levels. Cur-

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**

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rent withdrawals were held to nearby quantities in most instances.

**Methyl Acetate.**—Sellers were busily engaged in contract renewal work at the levels established the preceding period. Demand was spotty as the usual year end leveling off in basic consuming industries caused some hesitation.

**Tricresyl Phosphate.** — Transactions were held to nearby requirements in most instances. Prices were extended into the early part of this year.

## Driers

Manufacturers of these materials saw little activity in their field as 1938 drew to a close. With the price of stearates and palmitates unchanged for the first quarter of the new year at least, contracting for 1939 is under way and is reported active.

## Glues and Binders

**Casein.**—The market continued firm at the level reported in last week's issue. Although production is below normal, a pick-up in demand is expected during this month. Casein production in Germany was 4,600 metric tons in 1937, according to a report of the American Consulate General Frankfort-on-Main. Under the "Four Year Plan," production is expected to increase to 10,000 metric tons.

**Glues.**—The market was bare of activity and appeared rather soft. Buyers were not interested in replacement movements last week. A Japanese chemist at the Osaka industrial experimental laboratory of the Ministry of Commerce and Industry in Washington has recently developed mucilage from seaweed, according to the Department of Commerce.

### Resinous Products Co. Booklet Describes 'Tego-Bonded' Panels

The "Tego-Bonded" construction method for producing plywood and similar laminated panels is described in a profusely-illustrated booklet recently prepared for distribution by the Resinous Products & Chemical Company, Philadelphia. In the construction process, which has been widely adopted by manufacturers of laminated products in recent years, the component layers of the panel are permanently fused together with dry sheets of "Tego' synthetic resin film by the application of heat and pressure.

Also explained by the booklet is a newer development in which another synthetic resinous product, "Uformite 430," is employed as the bonding agent in making panels unique in durability, economy, and practical utility.

### Wooster Brush Has Party

The Wooster Brush Company, Wooster, Ohio, entertained all employees and their families at the company's annual Christmas party December 16 in Weitzel's hall. Mr. and Mrs. Henry Lee of China were the guests of honor. Mr. Lee, native Chinese bristle expert for the Wooster Brush Company, gave an interesting account of their experiences, including the bombing of their home. Other entertainment consisted of movies, card playing and dancing. Lunch was served to approximately 150.

### Baltimore Paint Club Party Well Attended

The Christmas party held by the Baltimore Paint, Varnish and Lacquer Association December 17 in the Southern hotel proved to be the largest gathering of the kind ever staged by the organization. Not only the full membership of the group turned out, but the Varnish and Paint Production Club and the Paint Salesmen's Club members had been invited. Approximately ninety were in attendance. The event arranged by a committee, which was composed of James F. Whitescarver, Frank A. Warner, Jr., H. H. Shuger, Henry Holman and Milton Hirshberg. The occasion was generally voted eminently successful.

### Turpentine and Rosin Producers Report Betterment in 1937

Producers of gum turpentine and rosin reported the total output of gum turpentine was 518,454 barrels (of 50 gallons) for the crop year ended March 31, 1938 as against 497,000 barrels for the crop year ended March 31, 1936, and 510,000 barrels for the calendar year 1933. The output of rosin was 1,709,157 barrels (of 500 pounds gross) for 1937-38, 1,647,000 barrels for 1935-36, and 1,700,000 barrels for 1933, according to preliminary figures from the Biennial Census of Manufacturers, released by the Bureau of the Census.

The number of salaries and wages of woods employees in 1937 were reported as follows: Supervisory employees, woods riders, etc., 1,066, salaries, $723,009; clerical and other nonsupervisory employees, twenty-nine, salaries $18,795; wage earners, 30,880, wages $8,583,362. Number of establishments totaled 993. Cost of materials, etc., totaled $22,669,680, and the value of products at stills amounted to $29,025,461.

### Paint, Glass, Stores Report Sales Pickup in 1938

Nearly 1,000 paint, glass and wallpaper stores throughout the country, with aggregate sales in 1937 of $31,918,000, reported to the Bureau of Census that their sales during the first half of 1938 were within 7.7 percent of their sales for the same period of 1937. The first quarter of 1938 showed a gain of three-tenths of 1 percent and the second quarter a loss of 12.2 percent in comparison with the corresponding quarters of 1937. Compared with 1935, their 1937 sales represent an increase of 26.1 percent, according to the Bureau of the Census.

All geographic divisions and all States show sales increases from 1935 to 1937. A comparison of the first half of 1938 with the first half of 1937 shows an increase of 6.0 percent for the West South Central division with decreases for the remaining divisions, ranging from 5.1 percent for the West North Central division to 17.7 percent for the Mountain division. Included among the 955 identical stores are 130 identical units of chains. Sales of these identical chain units totalled $7,445,000 in 1937, an increase of 32.2 percent over their sales in 1935.

### Buffalo Paint Club Has Christmas Party

The Buffalo Paint, Varnish and Lacquer Association held its annual Christmas "ladies' night" party in the Hotel Statler, December 17. Approximately 125 members and guests were in attendance. Dinner was followed by short talks by former presidents, including S. H. Stilling and Otto H. Schuele, who commented on their thirty years' association with the club. J. Clarence Roth, of Pratt & Lambert, Inc., president of the association, introduced Dr. Francis E. Fronczak, Buffalo health commissioner, who related the importance of the work of the club in its efforts with the clean-up-paint-up campaign. The party came to a close with a distribution of gifts donated by members of the club to all in attendance, and a program of music and dancing followed. S. C. Murray, of Spencer Kellogg & Sons., Inc., acted as chairman of the entertainment committee.

## *Trade Briefs*

**Banner Paint & Varnish** Corporation, Brooklyn, has field a certificate at Albany, increasing the amount of its capital stock from $60,000 to $100,000.

**J. R. Stewart's** home in Alexandria, Va., was destroyed by fire December 23. Mr. Stewart is head of the Stewart Research Laboratory, Washington.

**Golden Gate Paint, Varnish** and Lacquer Association gave its annual Christmas party in the Palace hotel, San Francisco, December 22. Feature of the party was the distribution of 150 "Christmas bags."

**Baltimore Paint & Color Works** plans the erection of its tenth addition to its plant since 1926, according to Morris Shuger, president, who made the announcement at the company's Christmas party, December 24. The main plant and general offices are located at 148-156 S. Calverton road and 143-155 McPhail street, Baltimore.

**Frank E. Nabers, jr.,** manager of the soybean protein division of the Glidden Company, Chicago, was married on Christmas Day in Birmingham, Alabama, to Miss Edith Johnston, daughter of Mr. and Mrs. John Wallace Johnston of that city. Mr. and Mrs. Nabers will be at home after the first of January at 2239 Asbury Avenue, Evanston, Ill.

**Robert Bennett** has joined the sales organization of Valentine & Co., this city. He was formerly manager of the Chicago branch office for Berry Brothers, Inc., and had been associated with them for more than twenty years. Walter Hoblman, associated with Berry Brothers for twenty-eight years, has also joined Valentine as Chicago Branch office manager.

### Hercules Wins Right To 'Dipensol' Mark

*OPD Washington Bureau*
*December 27, 1938*

The U. S. Court of Customs and Patent Appeals has affirmed a decision of the Patent Office, dismissing the opposition of the Pennzoil Company, Los Angeles, and holding that the Hercules Powder Company, Wilmington, Del., is entitled to registration of its trademark, "Dipensol," for use on a terpene hydrocarbon solvent.

The basis of the opposition was the contention that the "Dipensol" mark is confusingly similar to the "Pennzoil" trademark which the opposer uses on lubricating oils and greases. The court ruled, however that—

> . . . considering the difference in the marks and the differences in the character and uses of the goods of the respective parties, the concurrent use of the involved trademark would not be likely to cause confusion in trade or result in damage to appellant (Pennzoil) even though appellant should sometime in the future extend its business to include the sale of "V. M. and P. naphtha," "cleaning naphtha," and the several coating products produced by its parent company, the Pennzoil Company of Pennsylvania.

### Paint and Varnish Makers Report 1937 Output Gain

Manufacturers of paints, pigments, and varnishes reported the number of wage earners employed in 1937 was 31,664 as compared with 27,686 in 1935, and wages paid last year amounted to $42,750,662, an increase over $32,186,867, the figure for 1935. The total value of products of this industry for 1937, $538,460,629, exceeded the 1935 figure, $416,999,566, by 29.1 percent, according to preliminary figures compiled from the recent Biennial Census of Manufactures, released by the Bureau of the Census. Number of establishments totalled 1,124 in 1937, against 1,082 in 1935. Cost of materials, supplies, etc., amounted to $312,085,415, in 1937, against $231,982,952 in 1935.

### Haynes Quits C.F. Board

Williams Haynes, this city, has resigned, effective January 1, as a director of Chemical Fund, Inc., an investment organization formed some eight months ago.

Shawnee
DRY COLORS
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Chrome Greens
Chrome Yellows
Toluidine Reds
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If you have a packaging problem, let us solve it.
THE HEEKIN CAN CO., Cincinnati, Ohio

# Oils, Fats, and Waxes

**Chinawood Oil Ruled Firm with Offerings Light—Narrow Changes In Cottonseed Oil Futures—Linseed Easier—Coconut Steady —Tallow Advanced—General Market Quiet**

Business in miscellaneous oils, fats and greases was generally quiet last week. Here and there a fair inquiry was reported for certain edible and technical products, but as a rule actual transactions were limited to small lots on the eve of the inventory-taking period, especially as price movements in the markets for cottonseed oil and lard futures continued narrow. There were fewer changes in quotations and the prevailing tone at the close of the week was steady.

Chinawood oil remained in a firm position in domestic markets. There was apparently no change in conditions abroad and prices here and on the Pacific coast were maintained at recently advanced levels. Perilla oil continued firm. Olive oil was quieter but there was no increase in offerings and the market retained a firm tone. Unfavorable reports were received concerning production abroad.

Refined fish oils were maintained at recently advanced levels although sales of crude sardine oil were reported on the Coast at a moderate decline. Oleo oil was available at concessions but quotations on other animal oils were held at previous figures. Changes in cash lard were unimportant in the absence of wide fluctuations in futures. Tallow offerings were light and the market had a firmer tone.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Bayberry wax, ⅝c. per lb.
Cndelilla wax, ¼c. per lb.
Linseed cake, 50c. per ton.
Linseed meal, $1 per ton.
Tallow, ⅛c. per lb.

**Reduced**

Cottonseed oil, edible, ½c. per lb.
Linseed oil, 2-10c. per lb.
Oleo oil, ¼c. per lb.
Sardine oil, crude, ½c. per gal.

### Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 101.6 | 101.7 | 101.5 | 118.6 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Vegetable Oils

**Chinawood.**—A firm tone continued to feature the situation in domestic markets last week. Locally quiet conditions prevailed much of the time. Inquiries were not lacking but there were few transactions reported, consumers and dealers apparently being disposed to await further developments in the situation abroad. At this season, with the inventory taking period at hand, many buyers were disinclined to add to their holdings. On the other hand importers and resellers were not disposed to push matters in view of the prevailing uncerainty concerning future supplies. Some sellers were not in a position to offer for prompt delivery. In a nominal way 15c. per pound was quoted in tankcars with a still higher figure named in some quarters.

SAN FRANCISCO, Dec. 27.—Chinawood oil was extremely quiet and the market was largely a nominal affair. Sellers report a general absence of offerings from the primary source, but in some instances resale oil is offered on spot at from 14¾c. to 15c. per pound in tankcars.

**Coconut.**—The local market was a quiet affair but the tone remained steady, sellers continuing to quote 3⅛c. per pound for crude in tankcars. Reports were current to the effect that consumers were bidding 3c. in some cases but that these bids had been rejected. The Coast market was also reported as steady at former prices with offers very light so fas as first hand sellers were concerned. Refined oil was steady here at unchanged quotations.

SAN FRANCISCO, Dec. 27.—Crude coconut oil is held at 2⅝c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills for delivery into the middle of next year. Copra was steady with offerings very light on spot and for shipment.

**Corn.**—Crude continued to present a firm appearance. The inquiry was reported as slow but there was no increase in offerings and quotations continued to be maintained. Refined oil was in fair request and steady.

**Cottonseed.**—Edible oil was easier, quotations being reduced ½c. per pound by refiners. There were reports of some improvement in demand at the lower level. Offerings of foreign semi-refined oil continued light.

**Olive.**—A firm tone still prevailed. Demand was slow, buyers being inclined to curtail purchases, although consumption in some lines is said to have increased recently. Consular advices reported an upward trend in the market abroad. Prospects for olive oil production in the principal countries of the Mediterranean basin show a new decline, with the forecast now 692,300 short tons, compared with 1,290,700 tons estimated to have been produced in 1937. The poorest crops in comparison with last year are to be found in Portugal and Spain, where this year's production is only 42 and 41 percent, respectively, of last year's crop.

**Perilla.**—Trade was generally reported as quiet last week, buyers being disposed to have held off for further developments after the activity recently noted. With offerings light on spot and for arrival, the tone remained firm.

**Soybean.**—The market had a steady tone. There were reports to the effect that the movement into consuming channels was holding up well, but new business appeared to be quiet.

**Teaseed.**—A firm tone continued to prevail on spot. Demand was quiet, but supplies appeared to be small or moderate, especially in the case of low acid oil.

### Markets at Other Centers

**San Francisco,** Dec. 27.—Quietude was general throughout the week in the vegetable oil market here and the position was mainly nominal. Some slight resale activity was reported in coconut oil, but first hand sellers said they were not participating in the market for the moment owing to the absence of demand.

Ruling prices are:—

COTTONSEED.—Domestic bleachable oil quoted 7½c. per pound in tankcars, f.o.b. Pacific Coast mills, with foreign offerings absent. Local sellers are quoting spot Japanese oil at 7¾c. per pound in tankcars, f.o.b. San Francisco.

PERILLA.—Crude oil quoted 9.10c. per pound in tankcars, for prompt or deferred shipment, f.o.b. San Francisco.

RAPESEED.—Refined and denatured oil quoted 5⅝c. per pound in tankcars, f.o.b. Pacific Coast ports for shipment out of the Orient.

RICE BRAN.—Semi-refined oil quoted 5⅞c. per pound in tankcars, f.o.b. San Francisco for shipment from the Orient.

**Chicago,** Dec. 30.—Vegetable oils are in fair call at this time, considering the fact most buyers are still anxious to keep their purchases at the lowest level possible for inventory purposes.

COCONUT.—Coast basis, December-forward, 2½c. to 2¾c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, barrels, car lots; and 8½c. to 9c., barrels, less than car lots.

CORN.—Crude, low acid, 6½c. to 6⅝c. per pound, partly nominal. Refined, edible oil, 9c. to 9½c., barrels, car lots; and 9½c. to 10c., barrels, less than car lots.

PEANUT.—Crude, 6½c. to 6⅝c. per pound, partly nominal.

SOYBEAN.—Crude, mills, 5c. to 5¼c. per pound.

The market for soybeans on the Chicago Board of Trade was somewhat more active, speculative interest being stimulated by strengthening developments in grain. There was also some improvement in the inquiry for cash beans. Receipts were moderate. Following is a price record, per bushel, for the week:—

| | High. | Low. | Closing Dec. 30. | Closing Dec. 23. |
|---|---|---|---|---|
| Cash, No. 2.. | $0.84⅝ | $0.81½ | $0.84⅝ | $0.80½ |
| May ..... | .83 | .81 | .82¾ | .81 |
| July ..... | .83¼ | .81¼ | .83¼ | .81¼ |

**London,** Dec. 17.—Soybean oil, crude, 22s. 6d. per cwt.; rapeseed, refined, 31s. 6d.; palm kernel, refined, English, 24s. 3d.; peanut, Bombay, 20s. 6d.; sardine, Japanese, 14s. 9d.; whale, crude, Rotterdam, 13s.

## Linseed Oil

Foreign and domestic flaxseed prices ruled firm. Linseed oil easier. Cake and meal firmer.

**Flaxseed**—DULUTH, Dec. 30.—The end of the shipping season and the holidays combined have served to put a stopper on activity in the flax market here, although the seed showed firmness during the last week. There was a ready demand for track offerings but the market remained dull. No receipts of any kind were recorded, and only a few cars reached Minneapolis.

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"The Most Suitable Acid for Any Purpose"
WOBURN DEGREASING COMPANY OF N. J.
Chemical Division
HARRISON, NEW JERSEY

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

The week's closing price range was as follows:—

| | Cash. | May. |
|---|---|---|
| Saturday | $1.94 | $1.86 |
| *Monday | ... | ... |
| Tuesday | 1.95¾ | 1.87¾ |
| Wednesday | 1.97½ | 1.89½ |
| Thursday | 1.97½ | 1.89½ |
| Friday | 1.96 | 1.88 |

* Holiday.

Crop movement in bushels follows:—

| | Receipts | | Shipments | |
|---|---|---|---|---|
| | 1938. | 1937. | 1938. | 1937. |
| This week.. | 169 | 111 | 1,203 | 4,000 |
| Since Aug. 1.... | 1,358,671 | 1,057,050 | 1,290,222 | 1,129,520 |

MINNEAPOLIS, Dec. 30—With only one or two cars of cash flax arriving daily there is little activity reportable. Demand is good from local crushers and prices are holding very firm compared with futures. Stocks on hand are light and there is plenty of need for good seed, but crushers refuse to compete aggressively for the very small day to day offers. Premiums would advance very readily if competition became strong, without any appreciable effect on the country movement. Virtually all of the flax held by merchandisers has been cleaned up and what there is left on hand will be held for better values. There is only 1,000 December open, so no further deliveries can be expected. Stocks in local elevators decreased 5,000 bushels over the holiday period as compared with no change a year ago.

The interior movement is very small and has been for some time. A spell of severe weather that started with Christmas day swept down over the northwest and this will reduce farm selling still further. Shipping advices from the country are very small and probably will be until there is more snow on the ground where a new crop will be produced. Line elevator companies continue to hold back small lots of choicer flax for seed purposes next spring. During the past week there was no evidence of seed house buying in the local market.

The week's closing price range was as follows:—

| | Cash. | May. |
|---|---|---|
| Saturday | $1.97 | $1.86 |
| *Monday | ... | ... |
| Tuesday | 1.98¾ | 1.87¾ |
| Wednesday | 2.00½ | 1.89½ |
| Thursday | 2.00½ | 1.89½ |
| Friday | 1.99 | 1.88 |

* Holiday.

Crop movement in bushels as follows:—

| | Receipts | | Shipments | |
|---|---|---|---|---|
| | 1938. | 1937. | 1938. | 1937. |
| This week.. | 14,140 | 34,830 | 7,810 | .... |
| Since Sept. 1... | 2,753,730 | 2,974,540 | 401,559 | 559,222 |

WINNIPEG, Dec. 30.—The market for flaxseed was quiet. Prices were irregular with grain. The week's closing price range was as follows:—

| | Cash. | May. |
|---|---|---|
| Saturday | $1.40 | $1.39¼ |
| *Monday | ... | ... |
| Tuesday | 1.43 | 1.42½ |
| Wednesday | 1.47 | 1.45⅞ |
| Thursday | 1.50 | 1.46⅝ |
| Friday | 1.50 | 1.44 |

* Holiday.

BUENOS AIRES, Dec. 30.—Opening prices per bushel on February contracts were:—

| | Last week. | Last year. |
|---|---|---|
| Saturday | ... | $1.19⅝ |
| Monday | ... | 1.20⅛ |
| Tuesday | 1.08⅝ | 1.20⅝ |
| Wednesday | 1.08⅞ | 1.20⅝ |
| Thursday | 1.10⅝ | 1.20½ |
| Friday | 1.10⅝ | ... |

**Exports**

| | Bushels | | |
|---|---|---|---|
| To— | Last week. | Previous week. | Last year. |
| United States | 760,000 | 295,000 | ..... |
| United Kingdom | 51,000 | 12,000 | ..... |
| Continent | 1,004,000 | 504,000 | ..... |
| Orders | 395,000 | 693,000 | ..... |
| Others | 4,000 | 20,000 | ..... |
| Totals | 2,214,000 | 1,524,000 | ..... |

**Since January 1**

| | Bushels | |
|---|---|---|
| To— | This year. | Last year. |
| United States | 14,359,000 | ..... |
| United Kingdom | 1,344,000 | ..... |
| Continent | 25,039,000 | ..... |
| Orders | 11,008,000 | ..... |
| Others | 1,886,000 | ..... |
| Totals | 53,637,000 | ..... |

**Visible Supply**

| | Bushels. |
|---|---|
| Last week | 2,756,000 |
| Previous week | 1,969,000 |

INDIA.—Exports of flaxseed from India last week were as follows:—

| | Bushels | | |
|---|---|---|---|
| To— | Last week. | Previous week. | Last year. |
| United Kingdom | 404,000 | 324,000 | 40,000 |
| Continent | ..... | 4,000 | ..... |
| Others | *20,000 | ..... | 160,000 |
| Totals | 424,000 | 328,000 | 200,000 |

| | Bushels | |
|---|---|---|
| Since April 1— | This year. | Last year. |
| United Kingdom | 8,932,000 | 6,519,000 |
| Continent | 780,000 | 268,000 |
| Others | 416,000 | 1,076,000 |
| Totals | 10,128,000 | 7,863,000 |

* To Australia.

HULL, Dec. 30.—Quotations on flaxseed were:—

| | Per ton | |
|---|---|---|
| | La Plata. | Bombay. |
| *Saturday | .. | .. |
| *Monday | .. | .. |
| *Tuesday | .. | .. |
| Wednesday | £10⅞ | £12⅞ |
| Thursday | 10⅞ | 12⅞ |
| Friday | 10⅞ | 12⅞ |

* Holiday.

**Linseed Oil.**—An easy tone continued to prevail in the local market for linseed oil last week despite an upward tendency at times in seed prices in foreign markets, the firmness of seed being more than offset by a further falling off in demand for oil and keener competition among sellers. Quotations ranged from 7.9c to 8.1c per pound in tank cars, according to crusher.

Not only was new business extremely quiet during the week but withdrawals on contracts were also lighter, the shrinkage in the movement on unfilled orders being attributed to unfavorable weather in various parts of the country for construction and painting.

Cash seed in domestic markets was maintained at substantial premiums over futures. There was a good inquiry for cash seed but business was hampered by the small supplies, the movement to terminal points during the week showing a material falling off.

Crop accounts from Argentina were bullish, further damage from caterpillars being reported with the possibility that estimates of the yield may have to be revised downward in the near future. Unfavorable reports continued to be received from the American northwest concerning the condition of the soil, moisture being deficient in important sections.

MINNEAPOLIS, Dec. 30.—There is virtually no interest shown in linseed oil at the moment and the market shows true holiday tone. Crushers picked up a few small orders in the week ending today, but currently are getting nothing at all. There is very little interest displayed in oil needed in the future. Considerable of spring and summer requirements have been booked and buyers are waiting for further business developments before making additional commitments.

Shipping instructions are light at the moment and crushing plants are closed down. Whether operations will be renewed at the old rate after the turn of the year or whether at a slower pace is undetermined. Flax reserves are too small to permit of important operations during the balance of the season.

Quotations on carload lots f.o.b. Minneapolis, tankcar lots 8.3c. per pound, cooperage carlots 8.9c. per pound, warehouse lots 9.3c. per pound.

Shipments of oil in pounds were as follows:—

| | 1938. | 1937. |
|---|---|---|
| This week | 402,765 | 549,879 |
| Since Sept. 1 | 23,284,503 | 20,550,698 |

SAN FRANCISCO, Dec. 27.—A drop of 2 points in the linseed oil price structure last week was apparently the only small feature noticeable in an otherwise entirely quiet situation. As against 42,000 acres of land in California planted to flax last year with a yield of better than 800,000 bushels, there will be 100,000 acres harvested in 1939, it is anticipated. Oil is quoted:—Tankcars, 8.3c. per pound; drum lots ex mill, 8.8c.; drum lots ex warehouse, 9.3c.

CHICAGO, Dec. 30.—Linseed oil buying has been fairly good for this period of the year. Ruling prices are:—Tankcar, 8.3c. per pound; car lots, 8.9c.; less than car lots, 9.3c.

LONDON, Dec. 30.—Quotations on linseed oil were:—

| | Per cwt. s. | d. |
|---|---|---|
| *Saturday | .. | .. |
| *Monday | .. | .. |
| *Tuesday | .. | .. |
| Wednesday | 22 | 10½ |
| Thursday | 22 | 10½ |
| Friday | 22 | 10½ |

* Holiday.

**Cake and Meal.**—The market had a firmer tone, cake being advanced 50c. per ton while meal quotations were unchanged to $1 per ton higher. Spot supplies were reported as small. Trade was quieter.

MINNEAPOLIS, Dec. 30 — The demand for linseed meal continues avid and buyers are unable to get as liberal a supply as they want for immediate and nearby delivery. It is virtually impossible to buy anything for quick shipment because the mills are operating very little capacity and shipping instructions on maturing contracts are better than prompt. Most of the buyers furnish them in advance in order to get prompt delivery.

A sharp advance in soybean meal added to the bullish ideas of crushers regarding meal. Smaller soybean crushers through the middle west are not offering any meal for January shipment and are very sparing in their offers for later delivery. Cottonseed meal is scarce and in good demand at advancing prices. The concentrate situation generally is very strong. Cold weather is increasing the call for supplies.

Quotations on carload lots f.o.b. Minneapolis, $39.50 to $40.50 per ton.

Shipments of meal in pounds were as follows:—

| | 1938. | 1937. |
|---|---|---|
| This week | 1,514,800 | 2,510,773 |
| Since Sept. 1 | 38,926,275 | 78,351,684 |

CHICAGO, Dec. 30—Demand for linseed meal has been comparatively active here lately, and the price structure has been well maintained. Ruling prices of representative sellers are:—Round lots, $39 per ton, mostly nominal; car lots, $39.50 to $40; less than car lots, $41 to $42.

## Cottonseed Oil

Price movements in the local market for refined cottonseed oil futures were narrow. Trading quiet. Southern markets steady or firm.

**Cottonseed Oil.**—On the eve of the year-end holidays the market here for refined cottonseed oil futures was a rather small affair. There was more or less evening up of accounts as well as some switching from near to distant positions but on the whole the market presented few features of more than ordinary pre-holiday interest. Fluctuations in prices were within small limits, the tone being steadier early in the period and easier later on, with the movements devoid of any particular significance.

Lard futures had a downward trend at times in the Chicago market and although price movements were generally small or moderate there still appeared to be more or less bearish sentiment among cottonseed oil traders as a result of the low prices prevailing for lard and the recent government hog survey which indicated a further increase in hog supplies during the coming season. Predictions were heard that the next cottonseed report from the Census Bureau would make a bearish showing in the matter of consumption of refined oil for December. Some estimates were around 250,000 to 260,000 barrels against 263,024 barrels in the previous month and 358,328 barrels in the same month last year.

Crude oil was generally steady or firm in Southern markets. Late in the week bids of 6¼c. per pound were reported, with sellers holding at a minimum of 6⅜c., the offerings being limited at that figure. Lard compound and cash was reported as fairly active with 9¼c. per pound quoted in car lots. Tallow was firmer. Domestic and foreign trade in lard was declared to be quiet. Exports of lard from Atlantic and Gulf ports to all destinations from November 1 to December 24 were 26,299,367 pounds against 34,106,960 pounds in the same time last year. The weight of the hogs received at Chicago during the week ended December 24 averaged 243 pounds against 244 pounds in the previous week.

January cottonseed oil contracts were switched to May at 30 to 31 points difference and to July at 40 points. March was switched to July at 20 points difference. Deliveries on December during the month were 96 contracts.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from December 27 to December 30, inclusive, comprised 671 contracts, a total of 40,260,000 pounds. Following is a price record for the week:—

| | Cents per pound in tanks | | |
|---|---|---|---|
| | High. | Low. | Close. |
| January | 7.38 | 7.28 | 7.35 sale |
| March | 7.61 | 7.41 | 7.47 sale |
| May | 7.71 | 7.51 | 7.57@7.59 |
| July | 7.79 | 7.61 | 7.67 sale |

Crude, Southeast, .0637½ Nom.

**Chicago, Dec. 30. — Steady** conditions prevail in the cottonseed oil market currently. The trade has been along rather conservative lines, with buyers inclined to wait for developments. Good, off-Summer, yellow fig oil is 7⅞c. per pound. Refined, edible oil is 9¼c. to 9½c. per pound, barrels, car lots; and 9¾c. to 10c., barrels, less than car lots.

**Hull, Dec. 30.**—Quotations on cottonseed oil were:—

| | Refined. Per cwt. s. | d. | Egyptian crude. Per cwt. s. | d. |
|---|---|---|---|---|
| *Saturday | .. | .. | .. | .. |
| *Monday | .. | .. | .. | .. |
| *Tuesday | .. | .. | .. | .. |
| Wednesday | 21 | 6 | 18 | 6 |
| Thursday | 21 | 6 | 18 | 6 |
| Friday | 21 | 6 | 18 | 6 |

* Holidays.

**Cake and Meal. — A** steady or firm tone was reported in Southern markets. Spot quotations were generally maintained at or around previous levels with the figures more or less nominal. Quiet conditions were reported as usual at this period.

## Markets at Other Centers

**Atlanta, Dec. 28.**—The holiday season is quite dull and quotations stand as they did last week. The demand for meal in the feed trade is reported steady and thus far fertilizer mixers have not called for very much of the material. Government agencies are quite busy determining for each farmer his acreage allotment and in this respect are far ahead of last year's record when congressional changes in the law held up action until after cotton was planted.

Prime crude oil is quoted in the Southeast at 6.50c. per pound and meal which is still firm, is quoted at $23.75 to $24 per ton at Southeastern mill points.

**Memphis, Dec. 30.**—Crude cottonseed oil quiet. Today 6¼c. bid. Few scattered tanks available at 6⅜c. Oil mills are ignoring weakness in the New York market for refined oil, considering it only temporary. Meal firm at $23.50 per ton for 41 percent at Memphis, the highest point reached since September. Several round

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

**CHINA WOOD OIL**
**WAH CHANG TRADING CORPORATION**
Woolworth Building
New York, N. Y.
SPOT FUTURE

**THE BRODÉ CORPORATION,** MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yoppa, Robinsons, Bentleys, A. B. C.5th Edition

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
**INDEPENDENT MFG. CO.**
Bridesburg P. O. Philadelphia, Pa.

**ASK WECOLINE** *before You Buy*
WHITE DISTILLED
**FATTY ACIDS**
• COCONUT • CORN
• SOY BEAN • LINSEED
• WHITE OLEIN • LAURIC
• SPECIALTY FATTY ACIDS
*Factory:* Boonton, N. J.
Sales Offices - - New York City and Chicago
WECOLINE PRODUCTS INC.

lots of Valley bulk cake sold today at $21, prompt and January-February shipment. Hulls $4.50 per ton at mill points. Mills still closed temporarily in this territory awaiting better markets.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

| | December 22. | December 29. |
|---|---|---|
| January | $22.50@22.65 | $23.15@23.40 |
| March | 22.65@22.75 | 23.30@23.50 |
| May | 22.75@22.85 | 23.35@23.50 |
| July | —@— | 23.65@23.75 |

## Fatty Acids

**Capric Acid.**—The tone continued steady but in other respects the situation lacked features of interest, inquiries from local and other consumers being limited to comparatively small lots to fill current requirements.

**Caproic Acid.**—Quotations were stationary and the tone of the market appeared to be steady. On the eve of the year-end holidays quiet conditions prevailed, consumers being disposed to hold off or limit their takings to comparatively small or moderate quantities.

**Castor Oil.**—The market for this fatty acid continued to be featured by a steady tone. The movement into consuming channels has apparently been on a fair scale recently, but the market was quieter last week so far as new business was concerned.

**Cottonseed Oil.**—A steady tone continued to prevail in the market for this fatty acid in the absence of any material change in the position of basic material, fluctuations in this product last week again being within narrow limits. Business in fatty acid was reported as quieter.

**Stearic Acid.**—The market remained in a steady position, quotations being held at recently reduced levels. There were reports of a fair movement of moderate quantities to local and other consumers. Importations during November were 207,603 pounds.

**Tall Oil.**—Selling schedules were without change and general conditions remained about as noted for some time past, although business showed some further slowing down last week on the eve of the year-end holidays.

### Markets at Other Centers

**Chicago, Dec. 30.**—The local fatty acids market is being influenced mostly by year-end considerations with the consequence that purchases are rather limited.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar, 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c., tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7¼c. to 7½c., tankcar, 7¾c. to 8c., barrels, car lots; 8¼c. to 8½c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3⅜c.; boiled down soap stock, 65 percent basis, 4c. to 4⅛c.; cottonseed foots, 50 percent basis, 1½c. to 1⅝c.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

## Fish Oils

**Menhaden.** — Fresh developments in the way of price changes were lacking, the market for refined oil apparently being firm at the advance recently announced. There was little change in the character of business. Occasional inquiries were noted but as usual at the close of the year purchasing was limited to small lots to fill immediate needs. Crude was quiet with offerings light.

**Sardine.**—A firm tone continued to feature the local refined situation, quotations being held at the advance announced in the previous week. There were reports of a fair movement. Crude oil was reported as quieter, the last transactions noted being at 31c. per gallon.

**Whale.** — Quotations on refined oil were held at former levels and the tone appeared to be firm. The market was quiet so far as new business was concerned.

### Markets at Other Centers

**San Francisco, Dec. 27.**—California sardine oil sales have been deadlocked for over a week now, with a difference in price separating the two sides of the market, both here and in southern California, but it appeared today that there was a very good possibility that the market would drop in northern California within the next 24 hours to meet the bids of buyers who are present with ideas of 30c. per gallon. Sellers have been holding for about eight or nine days for 31c.

Meantime, in the southern half of the state, oil reduction operators continue to hold oil for 33c., but it was thought that if Northern oil went for 30c. that in all probability there would be some 32c. oil moving in the Los Angeles market. There are said to be bids present on that basis.

News of the week concerned the floating reduction ships, all of which are now inside. Finish to their careers was officially written last week when the California Secretary of State finally certified the results of the November 8 ballot known as Proposition No. 5, which, aimed at the floaters, was passed by a large majority. That the floating reduction operators will probably not fight the measure in court was signified last week, when several owners applied to the Fish & Game Commission to operate tied up inside San Francisco Bay—on the same permit basis as the shore plants. Already three of the floaters are operating inside. In any event, whether or not the boats had been forced from high seas operation, labor and other difficulties were rapidly making it uneconomical for them to continue.

**Baltimore, Dec. 28.**—According to one report from North Carolina the menhaden fleet working off the coast there had suspended for the season, but another account had it that work was being continued, though on somewhat smaller scale, and that some oil was being offered at 30c. per gallon, at factory, which would make the price here about 32c. per gallon. The report further stated that potential buyers were willing to pay 29c. but that this figure was not deemed acceptable. Not much oil appeared to be on hand, but the fact that tenders were made was interpreted as confirming the information that the fishing steamers had not yet stopped their activities. The fish appeared to be running, and the weather seemed favorable for further efforts. The market for refined oil is quiet, with the quotations unchanged at 53c. to 55c. per gallon for light pressed, 55c. to 57c. per gallon for light bleached and 57c. to 59c. per gallon for yellow bleached stocks.

## Fats and Greases

**Grease.**—As usual at this season, consumers were inclined in many instances to hold off or limit their takings to small quantities to fill current needs. With offerings light the tone was steadier.

**Lard.**—The local market for cash lard had a fairly steady tone, price movements being unimportant as a rule in the absence of wide changes in futures in the West where speculative operations were comparatively light. Domestic and export trade here was reported as quiet.

**Stearin.**—Trade was rather quiet but there was no increase in offerings and the market retained a steady tone.

**Tallow.** — The market ruled quiet early in the week but a somewhat better inquiry was noted later in the period and a steadier tone developed, especially as offerings were light. A steadier situation was also reported at some outside points with a rather better inquiry noted from consumers. Local quotations were advanced ½c. per pound.

Trading in tallow futures on the New York Produce Exchange from December 27 to December 30, inclusive, comprised 4 contracts, a total of 240,000 pounds. Following is a price record for the week:—

| | Cents per pound in tanks | | |
|---|---|---|---|
| | High. | Low. | Close. |
| January | 5.50 | 5.50 | 5.60@5.75 |
| May | 5.80 | 5.80 | 5.75@5.90 |

### Markets at Other Centers

**Chicago, Dec. 30.**—Cash lard has been holding quiet, with few features reported recently. Tone of the market has been fairly steady.

The range of lard quotations from the opening Saturday, December 24, to the close Friday, December 30, is shown in the following table:—

| | Per 100 pounds | | | | |
|---|---|---|---|---|---|
| | Open. | High. | Low. | Close. | Previous Friday. |
| Cash | | $6.67 | $6.55 | $6.55 | $6.65 |
| Jan. | $6.67 | 6.67 | 6.50 | 6.50 | 6.70 |
| May | 7.42 | 7.42 | 6.27 | 7.27 | 7.45 |

TALLOWS (tierces).—Edible, 6c. to 6¼c. per pound; prime, 5½c. to 5⅝c.; fancy, 5½c. to 5⅝c.; special, 5¼c. to 5⅜c.; No. 1, 5c. to 5¼c.

GREASES (tierces).—Choice white, 5⅜c. to 5⅝c. per pound; A white, 5c. to 5¼c.; B white, 5c. to 5¼c.; yellow, 10-16, 4⅝c. to 4¾c.; yellow, 16-20, 4½c. to 4¾c.; brown, 4¼c. to 4½c.

STEARINS (barrels).—Prime oleo, 6½c. to 7c. per pound; lard, packages, 7¾c. to 8c.; A white grease, 5⅜c. to 5⅝c.; yellow grease, 5c. to 5⅛c.; extra oleo stocks, 8c. to 9c.; No. 2 stocks, 7½c. to 8½c.

**Liverpool, Dec. 30.**—Quotations per cwt. on refined American lard were as follows:—

| | Spot. | January. | May. |
|---|---|---|---|
| | s. d. | s. d. | s. d. |
| *Saturday | .. .. | .. .. | .. .. |
| *Monday | .. .. | .. .. | .. .. |
| *Tuesday | .. .. | .. .. | .. .. |
| Wednesday | 45 6 | 40 3 | 41 3 |
| Thursday | 45 6 | 40 0 | 41 0 |
| Friday | 44 6 | 39 9 | 40 9 |

* Holidays.

**Liverpool, Dec. 30.**—Quotations per cwt. on tallow were as follows:—

| | Choice. | Fine, good mixed. |
|---|---|---|
| | s. d. | s. d. |
| *Saturday | .. .. | .. .. |
| *Monday | .. .. | .. .. |
| *Tuesday | .. .. | .. .. |
| Wednesday | 16 6 | 17 6 |
| Thursday | 16 6 | 17 6 |
| Friday | 16 6 | 17 6 |

* Holidays.

## Animal Oils

**Lard.**—Selling schedules were maintained at former levels by producers in the absence of any marked change in the position of basic material. There was a fair inquiry but as usual at this season the movement was made up mainly of moderate lots.

**Neatsfoot.** — Small-lot business appeared to be the rule with the movement of such quantities for the week unimportant in the aggregate. The market had a steady tone, former quotations remaining in effect.

**Oleo.**—Quotations were reduced ¼c. per pound, the tone of the market being steady at the lower level. There were reports of a fair inquiry.

**Tallow.**—Business was quiet and of a routine character with the market steady at unchanged quotations.

### Markets at Other Centers

**Chicago, Dec. 30.**—In line with market conditions obtaining in the basic materials, animal oils have been dull.

LARD.—No. 1, 8½c. to 8¾c. per pound.
OLEO.—No. 2, 8c. to 8¼c. per pound.
TALLOW.—Acidless, 7½c. to 7¾c. per pound, tanks; 8c. to 8½c., barrels.

## Waxes

**Bayberry.**—The season has been exceptionally active and the market closes the more active period of consumption on the higher basis of 18½c to 19c per pound. In addition to excellent demand, commerce in the article this year had to contend with the sharp drop in New England production, the result of the hurricane.

**Bees.**—A quiet but generally steady market governed both crude and refined wax sales. Values were fully maintained, which was warranted by the fact that shipment offerings from primary markets have been none too frequent.

**Candelilla.**—Prices were higher at 15½c to 16c per pound and the position of the article was one of substantial firmness because of the full control exercised over prices by means of the union of producers.

**Carnauba.**—Undertone continued to be fairly easy but spot quotations lacked further quotable change. With new crop arriving at the shipment parts, an easier price situation has been developing and most dealers felt that there might be further recessions in values at the source. Locally, there was very little done last week, a normal condition for this season of the year.

**Japan.**—The market was firmer but local prices remained unchanged. The tendency here, however, was moderately upward.

## Margarin Makers Reported Betterment in 1937

Manufacturers of oleomargarin reported the number of wage earners employed in this industry in 1937 was 1,214, as compared with 1,176 in 1935, and wages paid, $1,606,804, exceeded the 1935 figure of $1,302,954. The total value of the products of the industry for 1937, $44,562,694, exceeded the 1935 figure, of $32,402,226, according to the Bureau of the Census. Reporting establishments totaled sixteen, compared with fourteen in 1935. Cost of materials, etc., amounted to $30,987,306 in 1937, against $23,292,842 in 1935.

This industry, as classified for census purposes, embraces establishments (not including meat-packing plants) engaged primarily in the manufacture of butter substitutes from vegetable oils or from mixtures of animal and vegetable oils and fats.

**Joseph Padula & Son,** of Elsimore, Calif., have purchased a building at Sweet Briar and Samoa streets, Lindsay, Calif., and are installing machinery for an olive oil processing plant. The new Padula plant is the sixth olive oil concern to establish headquarters in Lindsay.

# Heavy Chemicals

## Insecticides

*—Continued from page 27*

sippi, where this pest has become established, as determined by extensive surveys during the past field season was announced by the Secretary of Agriculture. Under the provisions of this quarantine, which becomes effective January 15, 1939, the interstate movement from the regulated areas of specified commodities is subject to inspection and certification requirements.

**Calcium Arsenate.**—There was little in the way of important developments in the market last week. Business was quiet, and prices were without alteration.

**Lead Arsenate.** — Quotations were without change, and business was seasonally dull. Sellers were making preparations for next Spring in most quarters.

**Lime Sulphur.** — Prices were well maintained at previous established levels. Demand continued quiet.

## *Williams Promoted By Monsanto Chemical Co.*

*—Continued from page 3*

in 1919 and was assigned to the export sales department until later in the year when he became supervisor of the order and billing department. Early in the 1920's, he opened the Chicago office of the company, and in 1924 he was transferred to New York as assistant manager, becoming manager a year afterward. In 1930, he was made assistant vice president and assistant secretary of the company.

Mr. Loeffler was born in Oswego, N. Y., February 2, 1904. He was educated at Brooklyn Polytechnic Institute, the Colorado School of Mines, and was graduated from the University of Rochester in 1926. During his college years, he directed a Paul Whiteman orchestra unit. Prior to joining Monsanto in January, 1937, as assistant to Mr. Williams, he was with Eastman Kodak Company, Yawman and Erbe, and the Hooker Electrochemical Company, New York, of which he became assistant sales manager in charge of organic chemical sales.

Mr. Renner was born September 19, 1901 in Pirmasens, Germany. His parents moved to St. Louis in 1906 and he was educated here, graduating in 1922 from Washington University. After serving as an instructor in chemistry at Washington for a year, he became a member of the Monsanto sales staff in 1924. Three years later he was made assistant manager of the Chicago sales branch and in 1929 when the Merrimac Chemical Company became a subsidiary of Monsanto, he was transferred to Merrimac headquarters in Boston to introduce Monsanto products in New England. In 1934 he became sales manager for the New England Alcohol Company, of which Monsanto is co-owner, and in 1935 he became assistant manager of sales of Merrimac Division in charge of sales of Monsanto products other than those made by Merrimac.

## Grease and Tallow Making Increased Sharply in 1937

Establishments engaged in the production of grease and tallow reported the number of wage earners employed in this industry in 1937 was 5,200, compared with 4,761 in 1935, and wages paid in 1937 amounted to $6,763,308, against $5,389,829 in 1935. The value of the products of the industry for 1937, $52,268,767, exceeded the 1935 figures by $39,836,202, according to the Bureau of the Census. Number of establishments totaled 266 in 1937, against 259 in 1935. Cost of materials, etc., reached $32,980,190 in 1937, against $22,213,977 in 1935.

This industry, as classified for census purposes, embraces those establishments engaged primarily in rendering grease and soap stock, chiefly from animal fat, bones, meat scrap, etc., and in rendering tallow from fat. The statistics for this industry do not cover the production of grease and tallow by meat-packing establishments.

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U. S. P.

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BEESWAX
THEODOR LEONHARD WAX CO., INC. (Dept. A)
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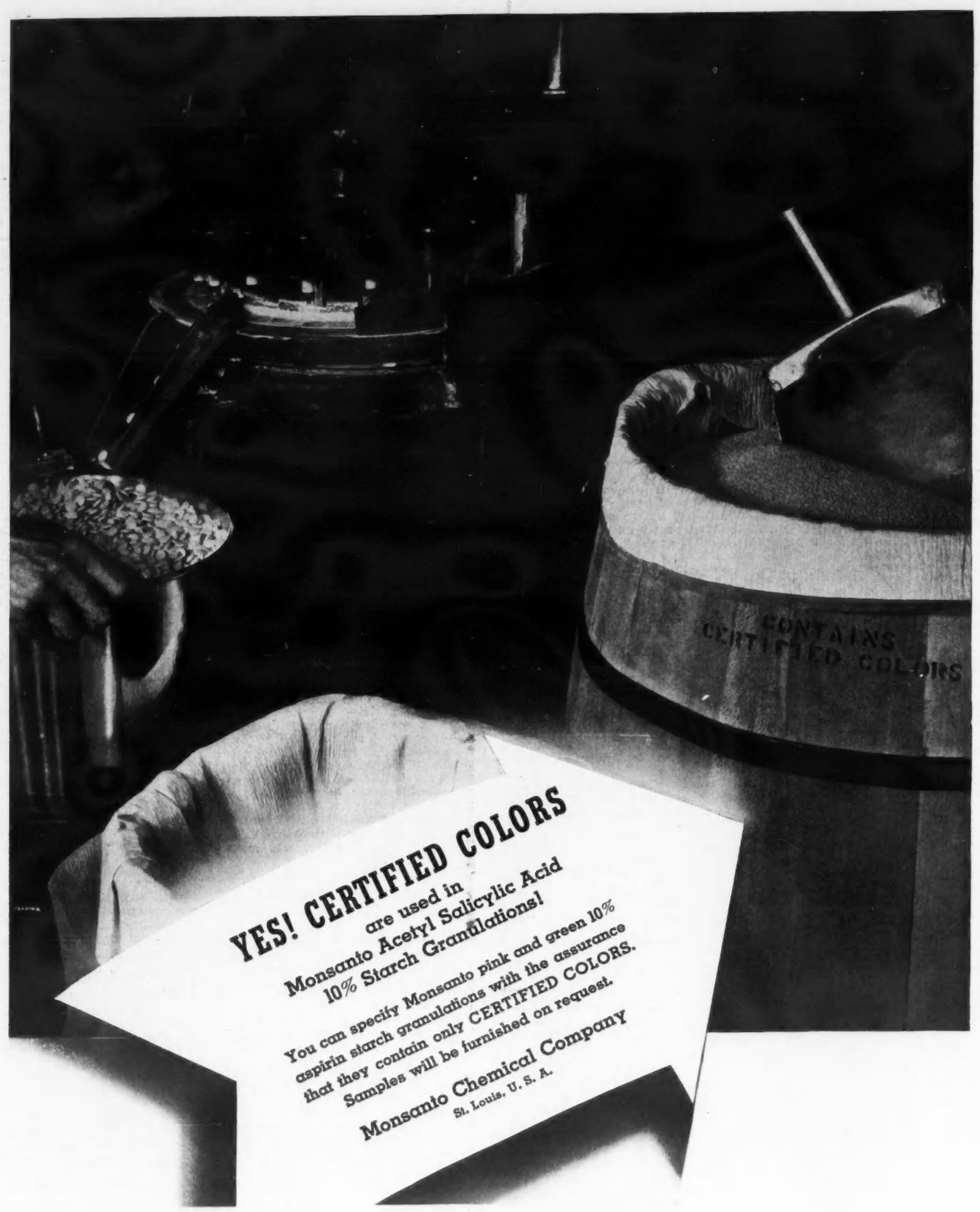
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Samples will be furnished on request.
Monsanto Chemical Company
St. Louis, U. S. A.

# Drugs, Fine Chemicals

**Buying Down to Inventory Period Volume—General Undertone Reported Steady—Outlook Reasonably Favorable for Early 1939 Business—Prices Well Maintained—Stocks Moderate**

The drug and fine chemical market was quiet, but very steady during the final week of the year. Sales were at a level normal to the market during the inventory period, and hence, volume was conservative, at the best. However, a reasonable encouraging outlook for trade early in 1939 was reported, and hence a modest optimism prevailed for the most part during the period under review.

Prices were generally well maintained in all quarters. Basic raw materials lacked actual or apparent unsettlement and hence the position of most derived products was one of considerable stability at all times.

For the most part it was felt that producers' inventories will not show any exceptional carryover of merchandise into the new year. Inventories were expected to be about normal in size and certainly not of a kind likely to prove a burden to the maintenance of market stability during the months immediately ahead.

Trade in the last week of the year was along jobbing lines. None but actual needs were covered by buyers and such business was done on the basis of generally very steady prices. Interest manifested in goods for delivery early in the new year was a strengthening factor in the forward position of the market as a whole and considerable business of that sort was already in hand when the commercial year ended.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

None

**Reduced**

Ethyl acetate, N.F., ½c. per lb.

### Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 182.7 | 182.7 | 182.5 | 181.9 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Acid, Acetylsalicylic.**—Demand was the routine kind commonly current at the end of the year. For the most part, the situation appeared to be very steady and conditions pointed to a stable position with the turn of the year.

**Acid, Citric.**—Very steady prices governed in a market typically dull at all times last week. The undertone seemed to be very steady with values being supported against that time when consumers shall enter the market to cover their early season requirements that forecast the arrival of the more active period of the year.

**Acid, Lactic.**—Values were steady under moderate request for the U.S.P. material. The market appeared to be well stabilized during the quiet end of the year period and leading suppliers failed to forecast any early change in the general situation.

**Acid, Tartaric.**—Betterment of request awaited the turn of the year. Over the end of the year period, movement was confined to jobbing quantities for the most part. Prices continued to be very steady, reflecting absence of weakness in raw material values.

**Agar.**—Quotations ranged rather widely on the No. 1 grade of Kobe material. The market was 90c. to 97c. per pound and the inside figure was said to be less than some replacement cables received. New crop will seek a market in the not far distant future and it was felt that some local dealers desired to reduce inventories.

**Alcohol.**—Weather conditions were those that encourage increased sale of completely denatured alcohol into consuming channels. The movement was very good and contributed much to the general stability of the market. Specially denatured alcohol appeared mainly in transactions covering deliveries to be made early in 1939 and current quotations on most formulas showed a substantial stability throughout the final week of the year.

**Aloin.**—The market was inert, being typically slow in keeping with the season of the year. However, prices were generally very steady with sellers' minimum quotations being fairly wide apart. The raw material situation continued to be such as to warrant full maintenance of spot values.

**Ammonia Chloride.**—Notwithstanding the season of the year, sales of this article continued to be in very good volume and weather conditions have been entirely favorable to the continued movement of good sized quantities at very steady prices.

**Bismuth Metal and Salts.**—Although trade was quiet, the market continued to display substantial stability as to price and the entire group of sales reflected the well maintained cost of metal.

**Cadmium.**—Momentary slowing down in the production of automotive units was reported last week but the forecast was for a rebound upward in production in the factories. Therefore, consumption of this metal by the plating industry was expected to hold up well. Prices were steady.

**Camphor.**—Very good trade indicated a probably satisfactory movement of the article after the end of inventory operations. Prices appeared to be definitely steady in all quarters and undertones were on the firm side.

**Castor Oil.**—Reason to look forward confidently to greater activity early in 1939 existed. Numerous of the consuming industries appeared scheduled for a broadening of activities and hence a gain in the movement of this oil was not unlikely. Prices were steady.

CHICAGO, Dec. 29—The castor oil market is quiet and dull. Orders have been about up to expectation, it is said. Inquiries are said to be indicative of some interest in later buying. Ruling prices are: No. 1, barrels, car lots, 10½c. per pound; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; drums, less than car lots, 10⅝c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; barrels, less than car lots, 10⅜c.; returnable drums, car lots, 9⅜c.; drums, less than car lots, 10⅛c.; tanks, 8⅞c.

**Codliver Oil.**—Conditions generally were favorable for increased use of this oil by the ultimate consumers. Stocks appeared to be plentiful on the spot but prices were very steady when it came to oil of a strictly U.S.P. quality. November importations, broken down by countries of origin, were as follows:—

| | Gallons |
|---|---|
| Denmark | 22,599 |
| Germany | 459,480 |
| Iceland | 35,178 |
| Norway | 224,463 |
| United Kingdom | 97,420 |
| Canada | 21,457 |
| Newfoundland and Labrador | 24,338 |
| Japan | 177,485 |
| Total | 1,062,420 |

**Codeine.**—Phosphate and sulphate had their usually good request that matched the normal experience of sellers at this season of the year. Other varieties of the material were in normally light end of the year request. All prices were well maintained.

**Creosote.**—Seasonal movement appeared to be temporarily less, probably because of the inventory period. However, the movement this year has been very good and a revival of request was forecast for the early part of the new year.

**Ephedrine.**—Seasonal conditions favored consumption of preparations featuring this article but all reports indicated that manufacturers were carrying very good stocks of the raw material. Many of them hold very high cost merchandise bought when the Japan-China war cut prompt shipments of raw material from China.

**Ethyl Acetate.**—Quotations on the N. F. article were lower at 8c. per pound in drums, and 12c. to 13c. in cans. This was in line with the reduction of prices named on the technical grade of the item.

**Glycerin.**—Price stability governed throughout the past week. Of course, prompt business was negligible but there was reason to expect a very good

**Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7**

*Industrial and Pharmaceutical Chemicals*

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QUALITY STANDARD THE WORLD OVER SINCE 1883
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BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
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Oxide of Magnesia
U. S. P. and Technical Grades
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Dependable Products Since 1873
LOCKLAND, CINCINNATI, OHIO

REFINED GLYCERINE
ALL GRADES
CHEMICALLY PURE—U. S. P.
CHEMICALLY PURE—B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE
Refineries Located at:
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• Jersey City, N. J.
• Jeffersonville, Ind.
• Berkeley, Calif.
• Kansas City, Kans.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPT.
105 HUDSON STREET
JERSEY CITY, NEW JERSEY

movement after the turn of the year and the general feeling was that a reasonable degree of stability would mark the beginning of the new year.

November importations, broken down by countries of origin, were as follows:—

| | Pounds | |
|---|---|---|
| | Crude. | Refined. |
| France | 258,903 | ..... |
| Germany | ..... | 110 |
| U.S.S.R. | 694,900 | ..... |
| Canada | 173,060 | ..... |
| Cuba | 109,300 | ..... |
| Argentina | ..... | 22,400 |
| Uruguay | 44,026 | ..... |
| Saudi Arabia | 15,316 | ..... |
| French Indo-China | 22,399 | ..... |
| Morocco | 35,064 | ..... |
| Totals | 1,352,968 | 22,510 |

CHICAGO, Dec. 29.—The tone in the glycerin market seems to be quite steady, based on buyers' interest. C.p. material is in fairly good call. Other items have been attracting considerable attention, also. Inquiries are continuing for later delivery. Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

**Magnesium Hydroxide.**— A check on spot prices found them apparently well maintained in the principal sources of supply. Any concessions from the regular schedule would seem to have been made to meet special conditions; they certainly were not general.

**Menthol.** — Business was normally quiet but the market was steady as to price in keeping with the absence of unsettlement in replacement costs. A gain in movement of moderate quantities was expected to follow the end of the annual inventory period during which demand has been normally light.

**Mercurials.**—The firmness character-

MENTHOL
natural crystals, U. S. P. XI
and
synthetic "Schimmel & Co."
SCHIMMEL & CO. INC.
601 West 26 St. New York, N. Y.

RESORCIN
CATECHOL - META-NITRO-PARA-TOLUIDINE
PENNSYLVANIA COAL PRODUCTS COMPANY
PETROLIA, PENNSYLVANIA

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N.Y.
MUrray Hill 6-1950

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WHITE MINERAL OILS U. S. P. and TECHNICAL
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izing the position of raw material was reflected in the exceptionally well maintained prices on materials within this group, especially as concerned the hard mercurials. Trade was expected to move along normal lines with the turn of the year.

**Methylethyl Ketone.**—Quotations were confirmed as being in steady position in the final week of the year. Competing material was unsettled and prices appeared to be definitely set in favor of buyers for consumption. Hence, the MEK market might be called steady but still sensitive to possible developments in competing goods.

**Quinine.**—The excellence of general consumption of this material, especially in the South and Southwestern states, was believed to be evidence of the successful progress attending the organized publicity by which increased consumption has been sought. The market promised fair things for the new year and prevailed steadily in all respects in the final period of 1938.

**Quicksilver.**—With trade naturally at a standstill, activity was virtually nominal last week but the position of this metal continued to be one of substantial firmness and the outlook appeared to favor well maintained, and possible higher, prices during the first quarter of the new year.

SAN FRANCISCO, Dec. 27.—End-of-the-year inventory time removed the possibility of substantial business being done in quicksilver last week, although the inquiry remained fairly good and there was an indication that a sizeable parcel or two might be booked shortly after the first of the year. Small spot lots are about the only kind of parcels in request. Prices are ruling from $77 to $78.

**Silver Nitrate.**—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

| | Per ounce | | |
|---|---|---|---|
| | | Bullion | |
| | Nitrate. Cents. | New York. Cents. | London. Pence. |
| Saturday | 31½ | 42¾ | 20-7/16 |
| *Monday | .. | .. | .. |
| Tuesday | 31½ | 43¾ | .. |
| Wednesday | 31½ | 42¾ | 20 |
| Thursday | 31½ | 42¾ | 19-13/16 |
| Friday | 31½ | 42¾ | 20 |

* Holiday.

## *McK.&Robbins Assets Being Specially Appraised*

*—Continued from page 5*

as the many thousands of retail druggists who are continuing to buy from it.

### Faith in Organization

The taking of testimony proceeded during the week in the several investigations of the internal executive affairs of McKesson & Robbins and the contemporaneous activities and perplexities of Philip Musica, who, as F. Donald Coster, was president of the corporation and general manager of its so-called "crude drug" department.

Further evidence was adduced of the general belief of the drug trade in general in the soundness of the McKesson & Robbins wholesaling structure. In this respect, Mr. Wardall, the trustee, issued, at the preceding weekend, the following statement:—

The sensational criminal charges against certain officers have tended to obscure the important fact that the main organization of the company is sound and that its principal service to the public is an essential one. That service is the wholesaling and distribution to retail stores throughout the nation, not only of its own products, but also of drugs and other products manufactured by some 4,500 other companies.

While the fictitious operations of Coster and his group in crude drugs were carried out in terms of equally fictitious warehouses and companies, the real business of McKesson & Robbins in manufacturing drugs and other preparations in accordance with the rigid standards of the food and drug act and in wholesaling the equally high-grade products of other manufacturers, is continuing.

The Federal court has appointed me trustee of the estate of McKesson & Robbins, Inc., debtor. As such, I am more interested in assets than in arrests. I am interested in protecting the creditors and some 15,000 stockholders and in conserving the jobs of some 7,500 loyal and honest employees.

Undoubtedly, the best interests of all concerned lie in the continuation of the business for which McKesson & Robbins has built up an enviable reputation for more than a century. The manufacturers are demonstrating their faith in the organization's wholesaling service by continuing to distribute their products through it. Likewise the retail druggists are continuing to buy these products from the company. The confidence of these two great groups of producers and retailers should be reassuring to the public.

In the meantime, I am continuing the intensive investigation into the financial affairs of the company in cooperation with all other agencies and expect to have something further to say on the subject as soon as my investigation has reached the point where essential facts can be determined.

**Diamond Alkali Company** has removed its general offices to 535 Smithfield street, Pittsburgh, Pa. Telephone: Grant 7500.

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Gallic Acid, *U. S. P.*
Gallic Acid, *Techn.*
Para-aminophenol
Para-aminophenol Hydrochloride
Ortho-aminophenol
Pyrogallic Acid, *C. P.*
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Synthetic Organic Chemicals for Research

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# What You Can Use

## Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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## Mineral Oil

### Emulsifiers for Mineral Oil

*(Continued from December 26 issue)*

Beidellite
Bentonite
Beta-aminoethylphenyl ether acetylated with lauric acid and sulphonated
Beta-aminoethylphenyl ether acetylated with stearic acid and sulphonated
Beta-aminoethylphenyl ether condensed with lauric acid and sulphonated
Beta-aminoethyltolyl ether acetylated with lauric acid and sulphonated
Beta-aminoethyltolyl ether acetylated with stearic acid and sulphonated
Betamethylaminoethyl ether acetylated with lauric acid and sulphonated
Butyl acetylricinoleate
Butyl ester of acetylricinoleic acid
Butyl ester of acetylated polymerized ricinoleic acid
Butyl ester of polymerized ricinoleic acid
Butyl ester of ricinoleic acid
Butyl ricinoleate
Carbohydrates
Castor oil, acetylated
Castor oil, acetylated polymerized
Castor oil fatty acids
Castor oil sulphonates
1:6-Chloronaphthalenesulphonic acid
4-Chlor-3-nitrobenzene-1-sulphodecylamide
Clay
Condensation products of—
(1) Beta-aminoethylphenylether with lauric acid
(2) Beta-aminoethylphenylether with stearic acid
(3) Beta-aminoethyltolylether with lauric acid
(4) Beta-aminoethyltolylether with stearic acid
(5) Betamethylaminoethylphenylether with lauric acid
(6) Betamethylaminoethylether with stearic acid
(7) Fatty acid glycerides with naphthalenesulphonic acid
Cyclohexylcyclohexanol sulphonate
Cyclohexylethanolamine
Diamylamine
Dibutyl ricinoleicsulphonate
Dicarboxylic acid of monocyclic terpene
Dicarboxylic acid of polycyclic terpene
Diethanolamine soaps of fatty acid
Diethylaminobetaoxypropylamine
Diethylbenzylethylenediamine
Diethylene oxide
Diethyleneethylenediamine
Diethyleneethylenediamine, asymmetrical
Diglycol laurate
Diglycol stearate
Dioxan
Dodecylchloroacetic ester reacted with sodium thiosulphate
Dodecylguanidin hydrochloride
Dodecylpoperidin, normal
Emulsifier B 585
Emulsone
Eritan
Ethanolamine soaps of fatty acids
Ethyl acetylricinoleate
Ethy lester of acetylated polymerized ricinoleic acid
Ethyl ester of polymerized ricinoleic acid
Ethyl ester of ricinoleic acid
Ethyl ricinoleate
Fatty acids
Fatty acid ethanolamides
Fatty acid ethanolamides glycolated with ethylene oxide
Fatty alcohols
Fatty alcohols, sulphonated
Fatty amides of aromatic aminosulphonic acid
Gardinol
Gelatin
Glycerides
Glycerin esters
Glycerol beta-acetylether
Glycol esters
Glycollic acid
Glycollic acid salts and their derivatives
Glycopon
Glycol stearate
Gums
Hemicellulose
Hexadecylguanidin hydrochloride
Higher fatty amines and their derivatives
Hydrocarbon-sulphonic acids
Hydrophtal
Immersol
Invadene
Isomerpin
Isopropylchloronaphthalenesulphonic acid
Isopropylnaphthalenesulphonic acid
Kali penetrators
Kalpinol
Kaolin
Lanoclain
Laurylnaphthionic acid
Lead-titanium tungstate-resinate
Lecithin
Linoleates
Linoleate-tungstates
Merpentine
Meta-aminodimethylanilin
Methyl acetylricinoleate
Methyl ester of acetylated polymerized ricinoleic acid
Methyl ester of polymerized ricinoleic acid
Methyl oleicsulphonate
Methyl ricinoleate
Methyl undecylinate
Methylenedisulphonic acid
Methylethyleneglycol monopalmitate
Methylhexalin
Mineral oils, sulphonated
Mineral oil-sulphonic acids
Miscibol
Monobutylnaphthalenesulphonic acid
Monocarboxylic acid of monocyclic terpenes
Monopole oil
Montanimidoethyl ether hydrochloride
Naccolene
Nacconol
Naccosol
Nacon
Naphtha oil sulphonic acids
Naphthalenesulphonic acid
Naphthalides of oxyfatty acids
Naphthenic acid
Naphthenic acid derivatives and salts
Neomerpin
Neopen
Olein
Oleoglyceryl sulphonate
Oxyalkylated aromatic sulphonic acids
Oxyalkylated hydroaromatic sulphonic acids
Oxyethylated fatty amines
Paracymenesulphamide
Paradiethyldodecylamine normal oxide
Paradimethylaminododecylbenzene normal oxide
Paradimethylaminolaurophenone normal oxide
Paradimethylaminostearophenone normal oxide
Paradimethyldodecylamine normal oxide
Pectins
Penetralene
Penetraline
Perminol
Perpentol
Phenanthrenesulphonic acid
Polyglycerol esters
Polyglycol esters
Polysaccharides
Potassium betatetrahydronaphthalenesulphonate
Potassium heptanaphthalenesulphonate
Potassium hexanaphthalenesulphonate
Potassium isoallylnaphthalenesulphonate
Potassium isopropylchloronaphthalenesulphonate
Potassium laurate
Potassium linoleate
Potassium naphthenate
Potasium oleoabietate
Potassium pentylnaphthalenesulphonate
Potassium resinate
Potassium ricinoleicsulphonate
Potassium stearate
Propylnaphthalenesulphonic acid
Proteins
Red oil
Resin oil sulphonic acids
Ricinoleic acid sulphuric diester
Ricinoleic acid sulphuric monoester
Rosin oil sulphonic acids
Salts of uretanes containing carboxyl groups
Saponin
Semiether of glycol fatty alcohols
Semiether of polyglycol fatty alcohols
Sicapon
Sludge sulphonates
Soap sludge sulphonates
Soaps
Soaps of tetravalent elements
Sodium alginate
Sodium alphatetrahydronaphthalenesulphonate
Sodium betatetrahydronaphthalenesulphonate
Sodium decylsulphonate
Sodium isopropylchloronaphthalenesulphonate
Sodium laurate
Sodium laurylethylsulphonate
Sodium linoleate
Sodium monobenzylsulphanilate
Sodium naphthenate
Sodium oleate
Sodium oleicethylsulphonate
Sodium oleostearicsulphonate
Sodium oleylmethyloxamate

*(To be continued)*

# SEED

The seed of the Penick botanical business was "planted" many, many years ago. This seed was nurtured with the motive—"the Initial Source of Supply for Quality Botanicals." The growth of the Penick organization attests its adherence to that principle. Today, Penick has taken root in every part of the world. The same rule is still in force—

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## S. B. PENICK & COMPANY

**132 NASSAU STREET, NEW YORK** **1228 W. KINZIE STREET, CHICAGO**

**THE WORLD'S LARGEST BOTANICAL DRUG HOUSE**


# Food, Drug and Cosmetic Act Revised Regulations Approved

*—Continued from page 5*

for use may be inadequate by reason (among other reasons) of omission, in whole or in part, or incorrect specification of—

(1) directions for use in all conditions for which such drug or device is prescribed, recommended, or suggested in its labeling, or in its advertising disseminated or sponsored by or on behalf of its manufacturer or packer, or in such other conditions, if any there be, for which such drug or device is commonly and effectively used:

(b) [originally (c)] A shipment or other delivery of a drug or device shall be exempt from compliance with the requirements of clause (1) of section 502 (f) of the act—

(2) if the label of such drug or device bears the statement *"Caution: To be used only by or on the prescription of a ——"* (the blank to be filled in by the word *"Physician," "Dentist,"* or *"Veterinarian,"* or any combination of such words), and all representations or suggestions contained in the labeling thereof with respect to the conditions for which such drug or device is to be used appear only in such medical terms as are not likely to be understood by the ordinary individual, and if such shipment or delivery is made for use exclusively by, or on the prescription of, physicians, dentists, or veterinarians licensed by law to administer or apply such drug or device; but such exemption shall expire when such shipment or delivery, or any part thereof, is offered or sold or otherwise disposed of for any use other than by or on the prescription of such a physician, dentist, or veterinarian, except such use as renders the article not a drug or device within the meaning of section 201 (g) and (h) of the act; or

(c) The expiration of an exemption under paragraph (b) of this regulation shall not be considered to render invalid the exemption existing up to the time of expiration. The causing by any person of such exemption so to expire shall be considered to be an act of misbranding for which such person shall be liable.

**Section 503 (a)**

(a) Except as provided by paragraphs (b) and (c) of this regulation, a shipment or other delivery ["lot" changed to "delivery" in all paragraphs].

(c) An exemption of a shipment or other delivery of a drug or device under clause (2) of paragraph (d) of this regulation shall become void ab initio with respect to the person who introduced such shipment or delivery into interstate commerce upon refusal by such person to make available for inspection a copy of the agreement, as required by such clause.

(d) An exemption of a shipment or other delivery of a drug or device under clause (2) of paragraph (a) of this regulation shall expire—

(2) upon refusal by the operator of the establishment where such drug or device is to be processed, labeled, or repacked, to make available for inspection a copy of the agreement, as required by such clause.

**Section 505 (i)**

A shipment or other delivery of a new drug shall be exempt from the operation of section 505 (a) of the act if—

(1) the label for such drug bears the statement "For investigional use only";

(2) such shipment or delivery is made only to, and solely for investigational use by, an expert qualified by scientific training and experience to investigate the safety of drugs; and

## Cosmetic Regulations

**Section 602 (a)**

(a) Among representations in the labeling of a cosmetic which render such cosmetic misbranded is a false or misleading representation with respect to another cosmetic or a food, drug, or device.

(b) The labeling of a cosmetic which contains two or more ingredients may be misleading by reason (among other reasons) of the designation of such cosmetic in such labeling by a name which includes or suggests the name of one or more but not all such ingredients, even though the names of all such ingredients are stated elsewhere in the labeling.

**Section 602 (b)**

(a) If a cosmetic is not manufactured by the person whose name appears on the label, the name shall be qualified by a phrase which reveals the connection such person has with such cosmetic, such as "Manufactured for and Packed by ——", "Distributed by ——", or other similar phrase which expresses the facts.

(b) The statement of the place of business shall include the street address, if any, of such place, unless such street address is shown in a current city directory or telephone directory.

(c) Where a person manufactures, packs, or distributes a cosmetic at a place other than his principal place of business, the label may state the principal place of business in lieu of the actual place where each package of such cosmetic was manufactured or packed or is to be distributed, if such statement is not misleading in any particular.

[Original (b) becomes (d), and so on]

(1) The extent of variations from the stated quantity of the contents permissible under paragraphs (j) and (k) of this regulation in the case of each shipment or other delivery shall be determined by the facts in such case.

(m) A cosmetic shall be exempt from compliance with the requirements of clause (2) of section 602 (b) of the act if the quantity of the contents of the package, as expressed in terms applicable to such cosmetic under the provisions of paragraph (e) (2) of this regulation, is less than one-fourth ounce avoirdupois, or less than one-eighth fluid ounce, or (in case the units of the cosmetic can be easily counted without opening the package) less than six units.

**Section 602 (c)**

(a) A word, statement, or other information required by or under authority of the act to appear on the label may lack that prominence and conspicuousness required by section 602 (c) of the act by reason (among other reasons) of—

(1) the failure of such word, statement, or information to appear on the part or panel of the label which is presented or displayed under customary conditions of purchase;

(2) the failure of such word, statement, or information to appear on two or more parts or panels of the label, each of which has sufficient space therefor, and each of which is so designed as to render it likely to be, under customary conditions of purchase, the part or panel displayed;

(3) the failure of the label to extend over the area of the container or package available for such extension, so as to provide sufficient label space for the prominent placing of such word, statement, or information;

(4) insufficiency of label space (for the prominent placing of such word, statement, or information) resulting from the use of label space for any word, statement, design, or device which is not required by or under authority of the act to appear on the label;

(5) insufficiency of label space (for the prominent placing of such word, statement, or information) resulting from the use of label space to give materially greater conspicuousness to any other word, statement, or information, or to any design or device; or

(6) smallness or style of type in which such word, statement, or information appears, insufficient background contrast, obscuring designs or vignettes, or crowding with other written, printed, or graphic matter.

(b) (1) All words, statements, and other information required by or under authority of the act to appear on the label or labeling shall appear thereon in the English language.

(2) If the label contains any representation in a foreign language, all words, statements, and other information required by or under authority of the act to appear on the label shall appear thereon in the foreign language.

(3) If the labeling contains any representation in a foreign language, all words, statements, and other information required by or under authority of the act to appear on the label or labeling shall appear on the labeling in the foreign language.

## Sampling Rules

**Section 702 (b)**

(b) When an officer or employee of the Department collects an official sample of a food, drug, or cosmetic for analysis under the act, he shall collect at least twice the quantity estimated by him to be sufficient for analysis, unless—

(1) the amount of the article available and reasonably accessible for sampling is less than twice the quantity so estimated;

(2) the cost of twice the quantity so estimated exceeds $10;

(3) the article is perishable;

(4) the sample is collected from a shipment or other lot which is being imported or offered for import into the United States;

(5) the sample is collected from a person named on the label of the article, or his agent, and such person is also the owner of the article;

(6) the sample is collected from the owner of the article, or his agent, and such article bears no label or, if it bears a label, no person is named thereon; or

(7) the analysis consists principally of rapid analytical procedures, organoleptic examination, or other field inspection examinations or tests, made at the place where the sample is collected or in a mobile or temporary laboratory.

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**Cosmetic** building which will house all exhibits of perfumes and cosmetics at the New York Wold Fair is practically completed.

# Botanical Drugs, Spices, and Gums

**Price Revisions Rectify Schedules Preparatory to Meeting Broader Call for Botanicals Early in 1939—Outlook Considered Encouraging—Forward Delivery Bookings Moderate**

Rectification of botanical drug price schedules preparatory to caring for what is hoped will be a normal resurgence of demand after the turn of the year accounted for numerous downward movements in quotations during the final week of 1938. It appeared clear that beneath the surface of the market a substantial tendency toward competition existed, resulting in a number of price movements in favor of the manufacturing consumer.

In keeping with normal experience, demand was down to a minimum in the last week of the year. Inventory activities engaged the attention of many buyers for consumption and since the lower the stock of raw material the more favorable may be the balance sheets, none but absolute needs reached the local market in the form of prompt delivery orders.

A fair sized, though not large, amount of orders for goods to be delivered early in January is on the books of the local botanical drug dealers. Some of them indicate that this year has been less than the usual amount of forward delivery bookings. Also, there have not been many requests for the prompt shipment of goods under the condition that invoicing be delayed until January 1.

In the main, the market will start from taw in fair shape with prices being, in the main, favorable for buyers' operations, and with a potential consumption needs that should build an encouraging volume of business once 1939 gets underway.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

| | Bags Detained. | Bags Entered. |
|---|---|---|
| Anise | 1,065 | 2,476 |
| Belladonna | 51 | 364 |
| Caraway | 3,134 | 28,286 |
| Cardamom (cases) | 49 | 1,453 |
| Celery | ... | 3,290 |
| Coriander | 2,378 | 12,226 |
| Cumin | 856 | 1,386 |
| Digitalis leaves (cases) | 68 | 88 |
| Dill | ... | 653 |
| Fennel | 267 | 1,400 |
| Henbane leaves (bales) | 48 | 181 |
| Mustard | 200 | 32,036 |
| Poppy | 800 | 55,328 |
| Sage leaves (bales) | 49 | 2,062 |
| Sesame | 1,860 | 4,544 |
| Stramonium (bales) | 589 | 658 |
| Thyme (bales) | 9 | 997 |

## Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Cassia, China, selected rolls, 1¼c. per lb.
Cinnamon, Ceylon, No. 2, ¼c. per lb.
No. 3, ½c. per lb.
Ginger root, Japanese, ⅞c. per lb.
Grains of paradise, 15c. per lb.
Pepper, white, Java Muntok, ½c. per lb.
Saigon, ½c. per lb.
Poppy seed, Dutch, ½c. per lb.
Polish, ½c. per lb.
Vanilla beans, Bourbons, 35c. per lb.
Mexican, whole, 25c. per lb.
cuts, 25c. per lb.

**Reduced**

Angostura bark, imported, twisted, 1c. per lb.
Anise, Spanish, ¼c. per lb.
Colchicum seed, 1c. per lb.
Colombo root, 1½c. per lb.
Cumin seed, Algerian, ¼c. per lb.
Ergot, 5c. per lb.
Ginger root, African, ¼c. per lb.
Cochin, ¼c. per lb.
Jamaica, bright grinding, ⅝c. per lb.
medium bold, ⅝c. per lb.
Guarana, powdered, 5c. per lb.
Gum, sandarac, 4c. per lb.
Horehound herb, ½c. per lb.
Kamala, 4c. per lb.
Larkspur seed, 4c. per lb.
Lobelia seed, 5c. per lb.
Mace, Batavia, 2½c. per lb.
Pepper, black, Alleppy, ½c. per lb.
red, chillies, Japanese, 2¼c per lb.
Pimento, ¼c. per lb.
Pomegranate, root bark, 3c. per lb.
Pumpkin seed, 1c. per lb.
Sarsaparilla root, Honduras, 2c. per lb.
Mexican, 3c. per lb.
Serpentaria, 5c. per lb.
Simarubra root, 2c. per lb.
Stavesacre seed, 3c. per lb.
Wormwood, American, 2c. per lb.

## Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 118.2 | 118.8 | 120.1 | 136.9 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Balsams

**Peru.**—The market was very steady in the final week of the year. Although there was a lack of much selling, prices were well held and the undertone failed to disclose signs of a likely weakening of the structure.

**Tolu.**—Jobbing business was light, and trade in excess of such proportions was entirely lacking last week. Pricewise, the item ended the year in comparatively steady position.

## Barks

**Barberry.**—Fairish stocks were in hand as the result of recent arrivals of new crop goods. Activity was down to its usually seasonal low ebb. Prices appeared to be about steady.

**Black Haw.**—Root bark lacked further change but the undertone at the close of the year was fairly easy because of current tendency toward competition. Tree bark was virtually inert throughout the final part of the year.

**Fringetree.**—A low and especially attractive price remained in effect without bringing into the market more than a few buyers for consumption. Expansion in demand was expected to strengthen price views.

**Simarubra.**—The market was a shade lower at 26c. to 28c. per pound under competition, though 28c. was most often quoted as the market price for the item. Little interest was disclosed by buyers.

**Wahoo.**—Although prices lacked quotable change, they appeared to be slightly unsettled so far as root bark was concerned and it was suggested that sales at private terms were being made at slightly under the quoted schedule. Tree bark remained unchanged.

## Beans

**Tonka.**—The outlook for business after the turn of the year was felt to be encouraging and hence, for the most part, prices remained generally steady on the spot. The year-end stock was not considered to be excessive in size.

**Vanilla.**—Everything in the last week of the year pointed to a first quarter of genuine strength of prices and probable very good demand. Trade last week was light but not more so than normally. World stocks were definitely the lowest in many years and those held abroad were in strong hands. Locally, moderate reserves remained unsold but with buyers' inability to replace in normal quantities in the primary markets, the tendency was to conserve spot supplies in order that consumption requirements might be met. Prices ended the year higher as follows:—Bourbons, $4.75 to $5.25 per pound; Mexicans, whole, $5 to $5.50; cuts, $4.50 to $4.75.

## Berries

**Fish.**—Trade was inert but the market remained steady so far as prices were concerned. No especially advantageous prices rule on replacement quantities and hence local values appeared to be fully steady.

**Prickly Ash.**—A strictly nominal market prevailed. Absence of spot stocks could not be relieved by primary market purchases; nothing has been available there for some time. Replenishment must await on the collection of the 1939 crop.

**Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7**


# IMPORTANT "FIRSTS"

Many of the crude drugs in common use today were commercially introduced to America by the House of Hopkins. Such familiar botanicals as Papain, Henna and Red Squill are only a few of these important "firsts." More vital even than this has been our 48-year record of being first to introduce such handling, testing and storing practices and equipment as maintain maximum active strength in all drugs and specialties bearing our label. Our pioneering, from the start, in maintaining an Analytical Department has made selling-by-assay an accepted fact since then. Over and above all this, you will find it an "Important First" to contact us for any of your crude drug requirements as a means of enjoying every possible advantage in quality, price, delivery and dependability.

*Samples and Quotations on Request.*

The Earth Contributes
AND
J.L.HOPKINS & CO.
DISTRIBUTE
ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
TRADE
MARK

J. L. HOPKINS & CO.
PROFESSIONALLY MILLED
ANALYZED—STANDARDIZED CRUDE DRUGS
220 BROADWAY • NEW YORK

ARABIC TRAGACANTH KARAYA
LOCUST BEAN GUM
FRANK-VLIET CO., Inc.
Specialists in GUMS
160 Water Street New York


## Flowers

**Chamomile.**—Very firm spot prices reflected well maintained quotations in the foreign markets, this applying equally to Hungarian and Roman flowers. Spot demand was light but some interest in early-year deliveries was displayed.

**Lavender.**—Select flowers were quoted, according to quality, at 34c. to 35c. for the conservative grade, and 40c. to 45c. for the extra select. Ordinary flowers were named at 28c. to 30c. Heavy consumption throughout the next year has been forecast by the existence of two World Fairs, one in New York and the other in San Francisco.

**Rose.**—Pale flowers were in definitely short supply and the item appeared in fact to be strictly nominal. However, it was ventured that buyers would not be likely to pay more than the present nominal figure of 45c. per pound.

**Saffron.**—Low and steady prices on Mexican flowers prevailed in a very quiet market last week. Spanish flowers were very steady and prices were well maintained regardless of the normally light demand in the final week of the year.

## Gums

**Arabic.**—Fairly steady undertones prevailed and the slight strengthening of prices, recently noted, was still reported last week. Values were highly favorable for a coverage of requirements of the early part of the new year.

**Benzoin.**—A fair amount of local competition was noted and hence the position of Sumatra gum continued to favor manufacturing consumers. However, released stocks were not unduly large and the always present chance of arrivals being rejected tended to create reasonably steady undertones in all quarters.

**Myrrh.**—Most sellers reported a steady price position and intimated that recovery of demand early in the new year was a not unlikely development. Stocks being carried over were reported to be of moderate size.

**Sandarac.**—Although 19c. was generally quoted, reports indicated that in some instances as low as 15c. had been quoted on firm inquiries. No general acceptance of that figure, however, was noted last week.

**Tragacanth.**—Private information led to the belief that developments were pending at the source. Special cables have gone to the origin and definite information was expected to reach this market soon. The final week of the year was one of conservative request.

## Herbs and Leaves

**Belladonna.**—Although quotations were no lower, the undertone seemed still to be reasonably easy and dealers were disposed to meet competition as it developed if the shading of prices was not excessive.


VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
K.V. BLDG., CHARLESTON, W.VA.


**Buchu.**—Open quotations lacked change but the disposition of most sellers was to entertain bids and hence the general market position was one reasonably favorable for consumer operations. Stocks were sufficient to cushion any sharp increase in demand.

**Horehound.**—Although the article has been moving very well and in keeping with normal seasonal requirements, prices were once again moved in favor of buyers and at the end of the year prevailed at 8½c. to 9c. per pound under competition.

**Digitalis.**—Leading suppliers indicated that it was not easy to secure strictly U.S.P. goods from replacement sources. Hence, the general undertone of the market was one of fair strength regardless of the present inactive position assumed by buyers.

**Stramonium.**—Constant rejections of much of the goods arriving from Europe was reason enough for the firm position occupied by prices in a very quiet market last week. Little competition was in evidence.

## Miscellaneous

**Balm of Gilead Buds.**—The market was low, easy, and dull. Plentiful offerings were on the market but buyers showed much reserve, actual requirements being light for the time being.

**Ergot.**—The market was very quiet throughout the past week and prices were a shade lower at $1.25 to $1.30 per pound. The leading manufacturing consumers appeared to have covered raw material requirements in ample fashion, leaving only smaller buyers in the market for the time being.

**Grains of Paradise.**—Sales were made at 50c. and 55c. per pound last week, following which the lone holder on spot advanced the market to the basis of 60c. to 61c. per pound. Inability to secure goods for shipment kept the market agitated on the side of definite strength.

**Guarana.**—At the close of the year, quotations were noted at $1 to $1.05 per pound for powder, being a shade under

—*Continued on page 46*

# Industrial Uses of Chemicals and Related Materials

**(Formerly styled "Where You Can Sell")**

## Producers' Guide to New Markets Technical Information for Processors

**Fully protected by copyright**

**Six-hundred-twenty-sixth Recapitulative Instalment**

**(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)**

## 2-Aminobenzene Sulphofluoride

**Dye**

Reactant in—
- Dye syntheses

Starting point (Brit. 460224) in making—
- Orange dyes for wool
- Red dyes for wool
- Yellow dyes for wool

Starting point (Brit. 460224) in making—
- Clear, water-soluble dyes by diazotizing and coupling with—
  - 1-Acetylamino-8-naphthol-4:6-disulphonic acid
  - Aminonaphthalenesulphonic acids
  - Aminonaphtholsulphonic acids
  - 1:2′-Chloro-5′-(sulphophenyl)-3-methyl-5-pyrazolene
  - Hydroxynaphthalenesulphonic acids
  - 1-Naphthol-4-sulphonic acid
  - 2-Naphthol-6-sulphonic acid
  - Pyrazolone sulphonic acids
  - 1-(4′-sulphophenyl)-3-methyl-5-pyrazolone

## Calcium Difluorostearate

**Insecticide and Fungicide**

Fungicide (Brit. 458179)
Insecticide (Brit. 458179)

## Cashew Gum

**(Anacardium Gum)**

**Insecticide**

Insecticide

**Leather**

Tanning agent

**Miscellaneous**

Bookbinder's gum

## 2:2′:5′-Dichlorophenylthiolquinolin Ethiodide

**Dye**

Process material (Brit. 454687) in making—
- Cyanin dyes

## Diheptyl Peroxide

**Fuel**

Activating agent (Brit. 443562) for—
- Diesel motor fuels

## 2:4-Dinitro-4-hydroxydiphenylamine

**Dye**

Process material in making—
- Sulphur dyes

## Furfuryl Xanthate

**Mining**

Flotation reagent in—
- Ore-refining processes

## Lauric Acid Nitrile

**Chemical**

Starting point (Brit. 438793) in making—
- Higher aliphatic amines used as textile auxiliary agents and as pharmaceutical agents

## 2-Methylpentanol Acetate

**Chemical**

Purifying agent (Brit. 444019) for—
- Methanol

Solvent (Brit. 444019)

**Miscellaneous**

Solvent (Brit. 444019)

## Mineral Oil

*(Continued from December 26 issue)*

**Metal Fabricating**

Coating agent for—
- Aluminum (for corrosion inhibition) (U.S. 1130196)
- Metal foil (with paraffin) (U.S. 1466380)

Ingredient (U.S. 1927355) of—
- Soldering flux

**Metallurgical**

Ingredient of—
- Case-hardening compound (U.S. 1308239)
- Composition mold for casting magnesium and its alloys (U.S. 1919939)

**Miscellaneous**

Ingredient of—
- Antidimming compound (U.S. 1410839, 1394774)
- Automobile polishes
- Binders (U.S. 1259272, 1209692. 1201301, and 1189549)
- Bottle gasket (U.S. 1322823)
- Can gasket (U.S. 1322823)
- Cleaner (U.S. 1473620, 1449330, 1418800, and 1340747)
- Cloth preservative (U.S. 1482416)
- Commutator cleaner (U.S. 1750990)
- Corrosion-inhibiting compounds or coating agents
- Detergent (U.S. 1219967)
- Dust-remover (U.S. 1258637)
- Furniture polishes (various patents)
- Metal polish (U.S. 1280939)
- Modeling waxes
- Preservative coatings for rope (U.S. 1482416 and 1305222)
- Printer's rollers (U.S. 1397528)
- Putty of various kinds
- Razorstrop honing paste (U.S. 1730773)
- Rustproofing compositions (U.S. 1457169 and 1145186)
- Shellac substitute (U.S. 1327332)
- Shoe sole filler (U.S. 1258272 and 1203435)
- Size (U.S. 1373518)
- Spark-preventing compositions (U.S. 1469039)
- Stencil (U.S. 1519975 and 1316067)
- Sweeping compounds
- Waterproofing compounds

Process material in making—
- Carbon papers
- Dustless duster (U.S. 1344545)
- Envelope window (U.S. 1245100)
- Food container (U.S. 1466380)
- Imitation gold leaf (U.S. 1450692)
- Wrapping for food products (U.S. U.S. 1407400)

Softening agent for various substances
Solvent for various substances
Solvent in making—
- Oil-soluble colors

Starting point (U.S. 1423710, 1423711, and 1423712) in making—
- Mixtures with liquefied ammonia

Waterproofing agent for various articles

**Paint and Varnish**

Vehicle ingredient in—
- Paints (various patents)
- Paint-removers (various patents)

**Paper**

Process material in making—
- Greased papers
- Paraffined papers
- Waterproof papers

**Petroleum**

Starting point in making—
- Sulphonated soaps

**Pharmaceutical**

In compounding and dispensing practice

Suggested for use in treating—

| | |
|---|---|
| Constipation | Pharyngitis |
| Coryza | Ulcers |
| Laryngitis | Wounds |

**Photographic**

Ingredient (U.S. 1192424 and 1139681) of—
- Restorative for blemished motion picture film

Process material in making—
- Films transparent or translucent (U.S. 1744767)
- Photographic film cartridge (U.S. 1195747 and 1195746)

**Plastics**

Absorbent and plasticizer (U.S. 1315137) in—
- Phonograph record

Process material (U.S. 1217027) in making—
- Celluloid substitute

**Rubber**

Recovering agent (U.S. 1312452) for—
- Balata solvent
- Gutta-percha solvent
- Rubber solvent

Regenerating agent (U.S. 1340777) for—
- Rubber (used in conjunction with phenylenediamine)

Solvent for—
- Rubber

Solvent (U.S. 1832929) in—
- Finely dispersed rubber product

**Soap**

Ingredient of—
- Brushless shaving creams
- Latherless shaving creams
- Lathering shaving creams
- Soaps

**Sugar**

Purifying agent (U.S. 1492168 and 1509355) for—
- Sugarcane juice

**Textile**

Impregnating agent for—
- Textile fabrics

Ingredient of—
- Finishing compounds
- Lubricants
- Stain-removing processes
- Waterproofings

Lubricant for—

| | |
|---|---|
| Fabrics | Yarns |
| Threads | |

**Wood**

Ingredient of—
- Polishes
- Wood preservatives

## Nitrophenylboric Acid

**(Nitroborophenylic Acid)**

**Agricultural**

Preservative for many agricultural products

## Pentachlorophenol

**Adhesives**

Preservative for—
- Adhesives

**Disinfectant**

Germicide
Inhibitor of—
- Micro-organism formation

**Glue**

Preservative for—

| | |
|---|---|
| Glue | Gelatin |

**Gums**

Preservative for—
- Gums

**Leather**

Preservative for—
- Leather

**Miscellaneous**

Inhibitor of—
- Algae formation
- Micro-organism formation
- Slime formation

Preservative for—

| | |
|---|---|
| Albumin | Casein |

**Paper**

Preservative for—
- Paper and pulp

**Rubber**

Preservative for—
- Rubber latex

**Textile**

Preservative for—

| | |
|---|---|
| Dextrins | Sizings |
| Fabrics | Starch |
| Finishes | |

**Water and Sanitation**

Inhibitor of—
- Algae formation
- Slime formation

**Wood**

Preservative for—

| | |
|---|---|
| Wood | Wood products |

## Silver Silicofluoride

**Mining**

Activating agent (U.S. 1972588) for—
- Oxidized minerals in flotation processes employing sodium sulphide, sodium ethylxanthate, and a frother

## Triethylphosphin

**Lubricant**

Antioxidant (Brit. 462793)

Starting point (Brit. 462793) in making—
- Addition agents for high-pressure lubricants, with—
  - Antimony chloride
  - Cadmium butyrate
  - Cuproacetylacetone
  - Cuprous chloride, bromide, or iodide
  - Cuprorhodamide
  - Nickel oleate
  - Silver azide, or chloride
  - Stannic chloride

## Xylene Sulphochloride

**(Xylene Sulphonylchloride, Xylol Sulphonchloride)**

**Chemical**

Reactant in—
- Organic syntheses

Reactant (Brit. 469819) in making—
- Alkyl-substituted aromatic sulphones
- Amino-substituted aromatic sulphones
- Cyano-substituted aromatic sulphones
- Halogen-substituted aromatic sulphones
- Nitro-substituted aromatic sulphones

Starting point (Brit. 469819) in making—
- Aromatic sulphones with toluene

Starting point (U.S. 1442818) in making—
- N-(4′-Amino-1′-naphthyl)paraxylenesulphonamide
- 4-Amino-1-(paraxylylsulphonamido)-naphthalene-2-sulphonic acid
- 4-Amino-1-(paraxylylsulphonamido)-naphthalene-6-sulphonic acid
- 4-Amino-1-(paraxylylsulphonamido)-naphthalene-7-sulphonic acid
- 4-Amino-1-(paraxylylsulphonamido)-naphthalene-8-sulphonic acid
- N-(1′-Naphthyl)paraxylenesulphonamide

Starting point (U.S. 1353385, 1454959, 1454960, 1454961, and 1508928) in making—
- Benzenemethylethylsulphonamide
- Benzenemethylsulphonamide
- Diethylorthoxylenesulphonamide, N:N
- Diethylparaxylenesulphonamide, N:N
- Dimethylorthoxylenesulphonamide, N:N
- Dimethylparaxylenesulphonamide, N:N
- Ethylorthoxylenesulphonamide, N
- Ethylparaxylenesulphonamide, N
- Methylorthoxylenesulphonamide, N
- Methylparaxylenesulphonamide, N
- Orthotoluenediethylsulphonamide
- Orthotoluenedimethylsulphonamide
- Orthotoluenemethylethylsulphonamide
- Paratoluenediethylsulphonamide
- Paratoluenedimethylsulphonamide
- Paratoluenemethylethylsulphonamide
- Xylenediethylsulphonamide
- Xylenemethylethylsulphonamide

**Electrical**

Starting point (Brit. 469819) in making—
- Aromatic sulphones, used as dielectrics, with xylene

# Essential Oils, Aromatic Chemicals

**Vanillin Steady at Recent Rise—Lemon and Orange of Domestic Origin Well Stabilized—Camphor in Light Supply —Trade in Typical Year-End Volume**

A market in which volume was typical of that at the end of the year prevailed in essential oils and aromatic chemicals during the final week of the year. Almost without exception, values were on the low side and hence the feeling was that the next general movement in market values would be upward. Definite resistence to recessions has followed the lowering of quotations to current levels and it seemed unlikely that sufficient decline in the future costs of replacement would be realized to permit a legitimate and further recession in spot values.

One encouraging fact this year-end is the conservative inventories likely to be found when stock taking comes to an end. Reserves were reported to be definitely conservative last week and the action of the market in recent weeks appeared to support that view. Large stocks usually induce considerable price shading with a view to improving the inventory position but there has been virtually no offering of "bargains" this year. Rather, a reasonably stable market has governed for some time past and the outlook was favorable for a continuation of a stabilized situation.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

None

**Reduced**

Lime, distilled, 10c. per lb.

### Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 68.7 | 68.7 | 69.1 | 77.6 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Essential Oils

**Almond.** — Sweet oil was steady at the recent decline. Business was light in the final week of the year but a gain in sales was expected to develop shortly. Local stocks were moderate in size.

**Angelica.**—Steady prices abroad contributed to the continued stability of local quotations. Demand was very small last week and signs of an early revival of more substantial buying were not readily apparent. However, undertones were steady.

**Anise.**—Undertones were very steady and prices were fully maintained during the last business week of the year. Conditions at home and abroad suggested maintenance of values at or around current levels.

**Birch Tar.**—A narrow market closed a year not notable for more than moderate consumption of this material. However, in the absence of much competition locally, values continued to be very steady.

**Bois de Rose.**—Stocks appeared fully capable of meeting any reasonable expansion of consumer needs following the turn of the year. Replacement costs were well maintained in primary markets.

**Cajeput.**—Fair sized local stocks were in firm hands at very steady and well supported prices. Inquiry was light so far as prompt delivery was concerned but some business for later delivery was booked toward the close of last week.

**Camphor.**—The strong position that has resulted from the virtual stoppage of primary market shipment offerings remained undisturbed. In most respects, the final week of the year found the market nominal.

**Caraway.**—A generally steady position governed this article here and in the primary market. Prices were well held and lack of more than jobbing interest failed of adverse effect on the future views of sellers.

**Cassia.**—Business has been light for some time past and it was not better during the past week. However, in view of replacement cost and conditions, values were steady for the most part since competition was negligible.

**Citronella.**—Conditions changed very little last week. Ceylon shippers named prices not especially attractive to many buyers on spot; Java oil, for those who could use it, appeared to be the more attractive purchase. Trade was entirely routine. Spot prices were unchanged.

**Clove.**—Some fair-sized business will move to buyers with the turn of the year and for the most part the market appeared to be in steady position. Values were considered to be so low as to be especially attractive to consumers with needs to cover.

**Croton.**—Hand-to-mouth transactions closed a year which, in the main, had been one of moderate consumption at prices usually occupying a steady position. Fair-sized reserves were at hand.

**Cubeb.**—With raw material being available at fairly attractive cost, the position of this oil was reasonably steady last week, regardless of the jobbing quality of consumer interest. Conditions on the whole appeared to be about normal.

**Eucalyptus.**—Undertones were generally firm, and prices lacked signs of unsettlement. While immediate demand was moderate, a fair interest in deliveries early in 1939 was reported and such business tended to support the market fully.

**Geranium.**—Prices were easy and low without demand being more than the usual call at the fag end of the year. Also, there was reason to expect that conditions after the turn of the year would continue to favor buyers more than sellers. Stocks were fair in size.

**Ginger.**—Raw material turned downward once more at the end of the year and hence the position of oil tended toward a position of slight unsettlement. However, open quotations lacked quotable change.

**Lemon.**—Domestic oil held steady in price and stabilization at current levels was apparent. A plentiful reserve was said to assure consumers a constant flow of oil at prices distinctly attractive to buyers. Italian oil appeared to be slightly easier and a tendency to shade quotations was noted.

**Lime.**—Mexican oil was lower at $3.25 to $3.30 per pound under the influence of irregular and generally small interest on the part of consumers. West Indian distilled oil lacked change and was apparently steady. Expressed oil seemed to be on the firm side.

**Orange.**—Slow demand was the rule, but not more so than is common to the market at the end of the year. Plentiful supplies were on hand, especially as concerned the domestic product from California, the price for which was low and attractive when compared with values named on imported oils.

**Peppermint.**—Business was that typical in the market at the close of the year, consisting solely of strictly jobbing needs, the total of which was inconsiderable. Outlook for better business after the turn of the year was said to be encouraging. Prices were steady.

**Rue.**—Stocks have been rarely smaller than at present and hence the recent strength that accompanied advancing prices was unrelaxed throughout the final business period of the year. The tendency seemed still to be upward in keeping with difficulty in placing normal replacement orders abroad.

**Sassafras.**—Although not much demand was noted for spot delivery, there was a fair interest shown in artificial oil for delivery early in 1939. Prices were steady and competition was declared to be correspondingly negligible.

**Spearmint.**—The close of the year was very quiet. Development of more demand was expected to follow close on the end of the inventory period, though few ventured an opinion on the extent of the probable improvement. Prices were exceptionally steady last week.

**Wormseed.**—A more stable market has developed since the substantial decline in quotations recently. Some expressed the view that development of normal domestic and export requirements would serve to turn quotations into firmer paths in the not far distant future.

**Wormwood.** — Although the larger manufacturing consumers seemed to be well covered ahead, there was a fair outlook for movement to smaller users after completion of inventories. Prices were firm, reflecting an absence of stocks exceptional in size.

## Aromatic Chemicals

**Anethol.**—Firm undertones in a very quiet market brought this article to an inactive close at the end of the year. Basically, prices appeared to be fully supported in an almost total absence of competition.

**Anisic Aldehyde.**—While not much selling took place last week, the market so far as prices were concerned reflected the firmness ruling raw material at all

**Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7**

*REVOLUTION and other world influences cause wide fluctuations in price, but M M & R low prices remain the fixed standards by which Quality Essential Oils are measured.*

**MAGNUS, MABEE & REYNARD, Inc.**
16 DEBROSSES STREET, NEW YORK, N. Y.
Balsams, Aromatic Chemicals, Concentrated Flavors ... Since 1895
*Essential Oils*

MYSORE GOVERNMENT
SANDALWOOD OIL
Distilled at Linden, N. J. from selected Mysore Heartwood by Sole Distillers and Selling Agents
**W. J. BUSH & CO.**
*INCORPORATED*
ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

**D. W. HUTCHINSON & CO., Inc.**
ESSENTIAL OILS
IMPORT Established 1896 EXPORT
162-164 FRONT STREET NEW YORK CITY

*Headquarters for*
PERFUME COMPOUNDS
True - FLAVORS - Imitation
ESSENTIAL OILS
BALSAMS
Peru - Copaiba - Oregon
**H. C. RYLAND, Inc.**
161-163 Water St., New York, N.Y.

Buyers Prefer
"O-P-D"
Market Information
because it is
Definite and
Accurate

D & O ESTABLISHED IN 1798
**CAMPHOLENE**
**A product of "D & O"**
Owing to the extreme scarcity of Oil Camphor Sassafrassy many manufacturers have found Campholene an excellent substitute.
**DODGE & OLCOTT COMPANY**
180 VARICK STREET NEW YORK, N. Y.
Boston Chicago Philadelphia St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

points. Reserves were said to be ample.

**Benzaldehyde.**—Hand-to-mouth selling brought trade to the end of the year, leaving the market in an apparently stable position and forecasting a period of well-maintained values for the early part of 1939.

**Benzyl Compounds.** — Stability appeared to be the rule in all materials within this group. The year was said to have been fair.

**Vanillin.**—The higher prices assured steady position following the rise in the previous trading period. To emphasize values established in the previous period, the schedule follows:—Ex eugenol, 25-pound lots, $2.20 per pound; 5-pound lots, $2.25; 1-pound lots, $2.35; ex guaiacol or lignin, 25-pound lots, $2.10; 5-pound lots, $2.15; 1-pound lots, $2.25.

### Fritzsche Opens St. Louis Office

Fritzsche Brothers, Inc., essential oils and aromatics, this city, beginning December 31, will sell its products in the St. Louis territory exclusively through the company's branch in St. Louis, Mo. For more than twenty-five years, the firm of Barada & Page, Inc., were sales representatives for Fritzsche Brothers and the arrangement still continued after a house branch had been set up in that city. In reluctantly taking the steps with discontinue the sales representation by Barada & Page, Fritsche Brothers merely follow a broad policy of selling through company branches direct to the consuming public.

As of December 31, all sales will be made through the recently established branch at 308 South Fourth Street, St. Louis. The branch will be in charge of Franc A. Barada, a son of A. S. Barada, one of the founders of Barada & Page. Mr. Barada has been handling the Fritzsche account for a number of years and is well known throughout the territory.

### Kroneman Joins Dodge & Olcott

William F. Kroneman, formerly in charge of the insecticide department of the Sherwood Petroleum Company, and recently associated with R. J. Prentiss & Co., in a similar capacity, has joined the sales organization of the Dodge & Olcott Company. He has been appointed a special representative for the sale of the company's branded product known as 'Essenol,' an insecticide activator based on the penetrating properties of specially processed essential oils.

Mr. Kroneman is a member of the standards committee of the National Association of Insecticide and Disinfectant Manufacturers.

**F. B. PEPPERMINT OILS . . . . . .**

THREE factors are essential to the production of high quality Peppermint Oils:

1. Proper selection of top grade natural oils. (Our splendid connections in the producing regions make such selection possible.)
2. Careful rectification under precise conditions of control. (This is assured by the fine facilities, skill and experience at our command.)
3. Honesty and integrity of the manufacturer. (That we possess these qualifications is reflected in our r putation and record for the past 67 years.)

As a final proof of the superiority and reliability of our product, we should like to send you a sample of OIL PEPPERMINT, F. B., RECTIFIED for examination. You will then understand why it is we supply such a substantial portion of the Peppermint Oil sold each year in this Country.

FRITZSCHE BROTHERS, Inc.
POST AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST LOUIS TORONTO, CANADA MEXICO, D. F.
PACKAGES AT FACTORY OF J. AND E. ATLEE, LTD., PERTH

### M.M.&R. Sales Conference To Start January 5

Sales representatives covering the United States, Canada and Mexico for Magnus, Mabee & Reynard, Inc., essential oils and aromatics, this city, will gather at the New York headquarters for a three-day sales forum beginning January 5. Six sessions have been planned and in addition to speeches, conferences, and discussions by and with company executives, those present will hear as guest speakers L. J. La Cava, of the Continental Can Company, and Sidney Matthew Weiss, account executive of the Acorn Agency, Inc., which handles the MM&R advertising.

P. C. Magnus, president of the company, together with other executives of the firm, will entertain the salesmen at luncheon at the Wool Club. The three-day conclave will end with a dinner, given to the entire organization, in the College Room of the Hotel Astor. At this dinner employees will become members of the MM&R Twenty Year Club.

# Botanical Drugs

## Miscellaneous

*—Continued from page 43*

previous prices as the result of competition caused mainly by an absence of consumer demand.

**Kamala.**—Competition was keen and prices on the basis of 24c. to 26c. per pound gave evidence of substantial competition in local quarters.

## Roots

**Angelica.**—Twisted root was shaded to 29c. to 30c. per pound. Other varieties lacked quotable change, but all were fairly easy in a quiet market.

**Colombo.**—The low price of competitive material has deadened demand for this item and prices at the close of the year were on the lower basis of 1½c. to 8c. per pound.

**Golden Seal.**—Prices were on the low side, backed by a moderate supply of unsold root. Dealers have been disposed to maintain an attractive market, looking forward to consumers being stimulated to greater activity by the fact of prices being favorable.

**Sarsaparilla.**—Mexican root was down to 13c. to 14c. per pound in an easy and not active market. American root was reduced to 11c. to 12c. and Honduras material could be bought at 38c. to 40c. per pound, a more favorable figure in a generally easy market.

**Serpentaria.**—The market closed the year at 70c. to 75c. per pound but sellers were not disposed to accept business at much if any under the inside figure, basing their sales policy on the lack of real weakness at the source of supply.

## Seeds

**Anise.** — Spanish was fractionally lower at 16c. to 16½c. per pound. Star lacked change. Undertones at the end of the year were generally steady notwithstanding lack of much demand.

**Canary.**—The market eased off at the end of the year, closing the past week at 4.25c. to 4.50c. per pound for Morocco, and 3.95c. to 4.15c. for the Turkish, Argentina seed lacked change.

**Colchicum.** — Spot offerings were made at 24c. to 25c. per pound and a very narrow consumption outlet kept values in favor of buyers with firm orders for deliveries early in the new year.

**Cumin.** — Algerian was fractionally lower at 8c. to 8½c. per pound and the market was generally competitive notwithstanding the fact that the normal competition offered by Morocco seed was lacking because of stocks being unobtainable.

**Larkspur.**—Local values prevailed at 28c. to 30c. per pound and they seemed to be fairly easy for the reason that recent demand had rarely exceeded jobbing size.

**Lobelia.**—This material was in very fair reserve at 35c. to 36c. per pound and the general undertone of the market was such as to make conditions favor buyers.

**Poppy.**—Prices advanced suddenly at the primary market points and spot values were raised to 8.25c. to 8.50c. per pound for Dutch, and to 8.10c. to 8.40c. for Polish seeds.

**Stavesacre.**—Inquiry was very light and the market had a fairly easy undertone with prices standing on the basis of 14c. to 15c. per pound without there being many takers thereat.

**Worm.**—Two declines set prices on American seed down to the level of 8c. to 10c. per pound. Levant seed lacked change but was quiet and inclined to be easy.

## Spices

**Cassia.**—The feature was the scarcity and higher price of selected rolls of China material; values were 13¾c. to 14¼c. per pound and a single seller offered spot deliveries.

**Cinnamon.**—No. 2 was up a fraction to 15¼c. to 15¾c. per pound; No. 3, 14¾c. to 15¼c. This was in conformity with the prevailing cost to replace spot goods.

**Ginger.**—African root was lower at 6¼c. to 6¾c. per pound; Cochin, 9¼c. to 9½c.; Jamaica, medium bold, 11c. to 11½c.; bright grinding, 10c. to 10½c. Japanese root was higher at 8½c. to 8¾c. Lack of consumer interest created the easier undertone that accompanied price reductions.

**Mace.**—Batavia was down sharply to the basis of 34½c. to 35c. per pound. Other varieties lacked change. None were in much request.

**Pepper.**—Black Alleppy was shaded to 7¼c. to 7¾c. per pound. Lampong and Tellicherry lacked change. Java Muntok and Saigon white peppers were fractionally higher at 7⅛c. to 7½c. respectively. Red Japanese chillies were down to 20½c. to 21c. following resumption of Japanese offerings.

Trading in black pepper futures on the New York Produce Exchange from December 27 to December 30, inclusive, comprised 358 contracts, a total of 12,028,800 pounds. Following is a price record for the week:—

| | Cents per pound | | |
|---|---|---|---|
| | High. | Low. | Close. |
| January | 4.61 | 4.43 | 4.47 sale |
| March | 4.71 | 4.54 | 4.57 sale |
| May | 4.80 | 4.62 | 4.66 sale |
| July | 4.90 | 4.74 | 4.76@4.78 |
| September | 4.88 | 4.80 | 4.85@4.87 |
| October | 4.92 | 4.88 | 4.90 sale |
| November | 4.91 | 4.91 | 4.91@4.95 |
| December | 5.14 | 4.95 | 4.97 sale |

## *Geologists Elect Dr. Vaughan President*

*—Continued from page 3*

Officers of the Paleontological Society elected were:—

President, Halph W. Chaney, of the University of California; vice-president, A. S. Romer, of Harvard University; secretary, B. F. Howell, of Princeton University; treasurer, R. R. Shrock, of Massachusetts Institute of Technology.

The Roebling Medal of the Mineralogical Society "for meritorious achievement in mineralogy and allied scineces" was presented to Dr. Waldemar Theodore Schaller, chief mineralogist of the United States Geological Survey. The presentation was made by Dr. Esper S. Larsen, professor of petrography at Harvard University. Dr. Schaller, who has been associated with the Geological Survey for thirty-five years, is a world authority on rare and unusual minerals. He has described more than twenty-five new mineral species, including kernite, the most important borax mineral found in the United States. Dr. Schaller has devoted much of his time to a study of crystal cavities in the trap rock regions of the Watchung Mountains in New Jersey and to the mineralogy of the potash fields in New Mexico and Texas.

Charles K. Leith, of the University of Wisconsin, sketched the efforts of Germany, Italy and Japan to make themselves self-sufficient in regard to essential mineral supplies, and concluded that these efforts were not only unsuccessful, but that in themselves they were creating exchange difficulties which were cutting them off from outside supplies which are really essential to their present industrial activity.

Mr. Leith said that the United States frontiers of its mineral industries, including both raw materials and markets, extend to nearly all parts of the world. He added that isolation would mean going back industrially to the horse and buggy age.

Mr. Leith said that the control of the mineral part of our environment is centered around the North Atlantic Basin, where the industrial revolution started. The United States and England control nearly 75 percent of the world's total. Control of the sea by the same group means control of a large part of the international movement in minerals. He explained that the mineral supplies of France and Russia are minor in comparison, though more or less adequate for those countries.

He said that this country's deficiencies are mainly in the so-called ferro-alloy group of minerals used in the steel industry, including chromite, manganese, nickel, tin and tungsten. There is also a lack of antimony, mercury, certain varieties of mica and graphite, as well as of other minerals. No one has yet found an adequate steel-making process which can dispense with manganese even though only fifteen pounds of this mineral are required in each ton of finished steel. The ramified interrelations of the use of all of these minerals needed are so complex in modern industry that the lack of a single one often has far-reaching consequences. Most attempts to remedy our mineral deficiencies by applying new technologies to our submarginal deposits have thus far been unsuccessful.

Materials for rich, new oil fields are being deposited on the sea bottom just outside the shore oil belt in California, according to a paper presented by Roger Revelle, of the Scripps Institution of the University of California. These materials, rich in organic matter believed to be the source of oil by geologists, are made up of preserved remains of tiny plants and animals which have settled to the bottom, and might be expected in some millions of years to be the source of rich oil pools, Dr. Revelle declared.

## *Alcohol as Motor Fuel EconomicallyHandicapped*

*—Continued from page 3*

salable under present conditions would bring farmers a higher gross income, farmers themselves would carry 20 percent or more of the higher cost of alcohol fuels.

Production of motor fuels from agricultural materials would entail economic adjustments and present legal and sociological proplems. It would also greatly increase costs of government administration and control of alcohol, although regulatory difficulties might perhaps be minimized by using an impure grade of alcohol. A suitable denaturant must be found.

Success in perfecting light Diesel engines of mobile character, or engines employing solid or gaseous fuels, or even improvements in present international-combustion engines not now foreseen would exert a marked influence on future fuel requirements.

### Economic Aspects

The agricultural end of the alky-gas proposal is given particular attention in the book. For example, there are tables showing the production and acreage of crops which might be converted into alcohol; their distribution throughout the country; the percentages which might be diverted to alcohol; yields per acre, probable yield of alcohol per acre and per bushel or ton; and relative costs of alcohol from various crops. One table shows that while the unit cost of producing alcohol is from 3c. to 7c. per gallon when blackstrap molasses is used as a raw material, the cost would be from 26c. to 75c. for corn, 7c. to 60c. for potatoes, $5 to $40 for grapes and raisins, and so on.

It is pointed out that an economic alcohol plant should have a capacity of at least 2,000 gallons a day and should be so located as to have available minimum raw materials for 300 days in a year. Tables show the amounts of principal alcohol-producing crops available in chief producing counties throughout the United States.

One table shows that corn is the only crop produced in sufficient quantities to supply alcohol for a 10-percent blend for the entire nation, while all best-suited crops, with the exception of corn and wheat, together would not produce sufficient alcohol for this purpose. At one point the authors state:—

If the entire 1935 production of the ten principal carbohydrate crops were converted into alcohol, a total of 8,131,650,500 gallons might be obtained, equivalent to 47.4 percent of the gasoline used that year. But this would leave the nation without food.

### Du Pont Has New Sulphur Blue

E. I. duPont de Nemours & Company is offering a new sulfur blue, "Sulfogene," navy blue GLR concentrated. The fastness properties and general characteristics of this color are very similar to those of the older type, "Sulfogene," navy blue GL concentrated, but the newer type is redder in shade and is also slightly brighter. The new color is recommended for dyeing cotton in all stages of manufacture, and for use in the same machines in which the GL type is employed. It presents no application difficulties since it levels well and shows good penetration and exhaustion. It is not suitable for discharging or printing.

# Petroleum Solvents, Lubricants, Fuels

**Local Fuel Oil Price Rises—Demand Heavy Here and Midwest —Motor Fuel Demand Slack—Wildcatting in Pennsylvania and Wyoming Active**

Increase in the local price of No. 2 grade domestic fuel oil, occasioned by sharp decreases in temperature, and the announcement of increases in price of distillate in the Cotton Valley section were the outstanding developments of the petroleum market last week.

In both the East and the Midwest the tone of the fuel oil market was reported strong due to bad weather conditions. The price of domestic material in the Eastern market increased a fraction of a cent and demand was brisk at the new figure. As usual the demand for motor gasoline dipped with the weather.

Wildcatting activity in the Wyoming area continued to show one of the strongest year-end plays in several years. Ten tests were drilling outside proved field areas while two wildcat locations were abandoned last week. The bringing in of a wildcat gas well in Potter County, Pa., just south of the New York gas field, was expected to mean the opening of a new Oriskany sand gas field. Meanwhile extension of the martial law area patrolled by 450 troops around the vast strike-bound Midcontinent Petroleum Corporation in West Tulsa, Okla., was indicated, as the National Labor Relations Board strove to arrange a settlement of the difficulties.

The daily average production of crude oil in the United States for the week ended December 24 was 3,499,700 barrels, an increase of 173,400 barrels from the preceding week's figure, according to the estimate of the American Petroleum Institute. The average daily production for the four weeks ended December 24 was 3,298,700 barrels, and the average at this time a year ago was 3,492,600 barrels. Run of crude oil to stills for the week ended December 24 was 3,105,000 barrels daily during the week as reported to the A. P. I. by refining companies owning 85.6 percent of the nation's refining capacity. All companies had in storage at refineries, bulk terminals, in transit and in pipe lines at the end of the week, 69,959,000 barrels of finished and unfinished gasoline, 29,908,000 barrels of gas and distillate fuel oil, and 116,847,000 barrels of heavy fuel oils.

## Solvents and Diluents

The demands on the market were light throughout the week. No price changes were noted. The price of V. M. & P. naphthas at the New York market had not reduced to the level set by the New Jersey price three weeks ago. No changes were reported in the Midcontinent market.

**Aromatic Naphthas.**—The price set during the summer for this item held steady during the past week. Seller reported the demand shrinkage expected at this time of year.

**Petroleum Thinners.**—Preinventory dullness afflicted the market here. No changes in tankcar prices had been reported in the Eastern section.

**Rubber Solvents.**—Tire producers were not buying in much quantity last week. The demand is expected to pick up later this month.

**V. M. & P. Naphthas.**—Tankcar prices in New Jersey continued to hold steady at 9c. per gallon, the figure set a few weeks ago. The New York market, showing no inclination to follow the Jersey reduction, held the price at 9½c. per gallon. Demands at both markets were reported firm.

### Markets at Other Centers

**Chicago, Dec. 29.**—Buying of various grades of petroleum solvents and diluents has been moderately good here recently. Consuming industries slackened purchases a little in recognition of the seasonal situation, but a fair amount of business continued to be done in the aggregate. Cleaners' needs are reaching fair proportions. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3 Oklahoma): Blending naphtha, 3¾c. to 4c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tankwagon; rubber solvent, 6⅜c. to 6½c.; lacquer diluent, 7⅜c. to 7½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 15.9c., tankwagon; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

TULSA, Okla., Dec. 29—No change has developed in the solvent and diluent market. They suffer the general easy undertone of light products in the refined markets.

## Lighter Fractions

Demand was routine and the price held steady at the level that has been in force for some time. Usual pre-inventory slackness was reported by most producers, who also expressed conviction that activity in the market would increase after the turn of the new year.

**Butanes.**—Performance here was routine last week. The price of 3¾c. per gallon for tankcar quantities of the 16-34 degree product continued in force at the Group 3 producing points.

**Heptanes.**—Schedule pricers were in force and the movement of material out of sellers' hands was slight.

**Octanes.**—This mixture held an even position, with producers quoting 10½c. per gallon for tankcar lots, f.o.b., Group 3.

## Petrolatums and Waxes

**White Mineral Oils.**—As reported here last issue the importers of Russian oil reduced the price of their product to meet the reduction of the domestic item the week before. The schedule for Russian oil in force last week was as follows:—80-90 vis., 46c. per gallon; 145-155 vis., 64½c. per gallon; 175-185 vis., 69c. per gallon; 335-345 vis., 77c. per gallon. These reductions were from 3c. to 5c. There was active buying interest in both the domestic and imported accounts since the price reductions.

**Paraffin Waxes.**—Prices on wax remained firm at both the New York and New Orleans markets. Shipments were reported in satisfactory balance with the supplies, and there was no indication of a change in the present price quotations. Prices were 2.30c. per pound for 122-124 A.m.p. grade and 2.35c. per pound for 124-126 A.m.p. material.

CHICAGO, Dec. 29—Refined petroleum wax is in fairly good demand considering the season. Orders have been limited with no special features noted. Some broadening of buying interest after the first of the year is anticipated by certain sellers. Ruling prices are:— 122-124, bags, 4c. to 4.05c. per pound; 125-127, 4.1c. to 4.15c. per pound.; 127-129, 4.45c. to 4.5c. per pound; 130-132, 4.75c. to 4.8c. per pound, and 132-134, 5c. to 5.05c. per pound.

TULSA, Okla., Dec. 29—Demand for paraffine is still heavy for this time of the year and prices are firm with the 124-26 American crude remaining at 2¼c. to 2½c. a pound.

**Petrolatums.**—Rumor of an increase in price for the amber grade was not verified last week. Many sellers, however, were much stronger in their views, and the market on the whole seemed to be in a firm position.

## Fuels and Lubricants

Domestic fuel oil prices were advanced last week as cold weather strengthened the market considerably. Although Bunker C fuel oil was still quoted at 95c. per barrel at New York harbor. Producers are nearing the minimum at which deliveries can be made at this price, according to authentic reports. As normally expected the motor fuel oil consumption dropped as the fuel oil demand increased. The tone of the market, however, was steady, despite the decreased demand.

### Market Conditions

**Gasoline.**—The tone of the market was about up to expectations and the price at the local tankcar market continued at 6c. to 6½c. per gallon, basis refinery, for the 65 octane material. Production of gasoline during the week ended December 24 was 9,330,000 barrels, according to reports from producers controlling 85.6 percent of the nation's refining capacity. Stocks of finished and unfinished gasoline for the week ended December 24 were 65,759,000 barrels compared with 69,635,000 the previous week and 75,553,000 for the same period in 1937, according to the A.P.I.

**Kerosene.**—This product appeared to be growing stronger in this area although no price change was reported. Water white in tankcar quantities was quoted at from 4¾c. to 4⅞c. per gallon, with the demand more active.

**Fuel and Gas Oils.**—The price of No. 2 fuel oil advanced ¼c. per gallon last week to a new level of 4¾c. per gallon. The demand was strong. With cold weather expected to continue producers were confident the price will be strong at the new level. Activity in the export and coastwise markets for gas oil were reported at a low level. Inquiries for delivery in the next two months, however, were brisk, and producers showed no inclination to dispose of their stock at a price lower than that now in force.

**Lubricating Oils.**—No change was reported in the tenor of the Pennsylvania market. The bright stocks were soft, while the neutrals remained unchanged.

### Crude Oil Price Changes

Ponca City, Okla., Dec. 28.—The Continental Oil Company has announced changes in the posted prices for crude oil in three sections of the country. The new posted prices are as follows:—Oklahoma and Kansas, 86c. to $1.10 per barrel; North Texas, 79c. to $1.03 per barrel; and Carson and Hutchinson Counties, Texas, 67c. to 91c. per barrel.

Baton Rouge, La., Dec. 28.—The Standard Oil Company of Louisiana has increased the posted price per barrel for Cotton Valley Distillate, no gravity scale, to $1.20 per barrel, it was announced today.

### Markets at Other Centers

**Tulsa, Okla., Dec. 29.**—Frigid temperatures throughout the middle west has materially stimulated the demand for seasonal products this week. The lag that had occurred during the past few weeks because of the mild climatic conditions is apparently being made up, as orders for hundreds of cars of burning oils were being received in the refining centers of the mid-continent.

While no price change developed in the seasonal products, due to the accumulation of inventories caused by the previous week's lack of demand, there nevertheless has been a lifting of stock overhanging the market, and a stronger situation exists in the price as well as in the statistical situation.

Again the natural gasolines became one of the outstanding departments of strength in the entire oil market. No further gains were reported but the high quotations reached last week were easily maintained as orders came in from all sections of the refining areas, and from important jobbing points.

Long term guaging of the market is difficult at this point because of the low levels of the inventories of the burning oils in distributors hands which caused the unusual demand this week. However, continuance of the low temperatures may bring about the strength that is expected to develop earlier in the year.

Gasoline eased off somewhat as inroads into motoring were caused by the change in temperatures, the market remained soft with concessions being made in various grades, particularly the third grade of low octane below 62, which is rapidly becom-

## *Outputs and Quotas*

A comparison of Bureau of Mines calculations for December productions, State allowable quotas where they exist and the American petroleum Institute's estimate for crude production for the week ended December 24, follows:—

| | *B. of M. Dept. of Int. calculations. | State allowable. | Estimated output. |
|---|---|---|---|
| Oklahoma .. | 500,700 | 428,000 | 423,850 |
| Kansas ..... | 159,000 | 163,400 | 157,000 |
| Texas ..... | 1,343,900 | †1,724,020 | 1,460,200 |
| Louisiana .. | 248,000 | 247,580 | 262,150 |
| Arkansas ... | 51,600 | ‡52,000 | 49,950 |
| Eastern .... | 169,000 | ..... | 224,900 |
| Michigan ... | 51,000 | ..... | 48,750 |
| Wyoming ... | 76,100 | ..... | 49,900 |
| Montana .... | 12,600 | ..... | 12,450 |
| Colorado .... | 5,900 | ..... | 5,750 |
| New Mexico. | 100,300 | 95,285 | 98,600 |
| California .. | 589,700 | §615,000 | 658,200 |
| Totals .... | 3,305,800 | ..... | 3,449,700 |

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of December. As requirements may be supplied either from stocks, or from new production, contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Base allowable effective Dec. 1. With the exception of Saturday, December 17, shutdowns are ordered for all Saturdays and Sundays during December. Calculated net 7-day allowable for week ended Saturday morning, December 10, approximately 1,242,279 barrels daily.

‡ Recommendation of central committee of California oil producer.

§ These are December allowables. January allowables are not yet available.

## *The State of the Petroleum Market*

There were no changes in crude oil prices last week. The gasoline market was somewhat stronger.

| | Dec. 28 | Dec. 21 | Last Year |
|---|---|---|---|
| Crude petroleum prices at well (average for ten fields) per barrel..... | $1.11 | $1.11 | $1.322 |
| Gasoline prices at refineries (at four refining centers) per gallon..... | .0478125 | .0484375 | .0525 |

## *Petroleum Production—Motor Fuel Stocks*

| | Barrels | |
|---|---|---|
| | 1938 | 1937 |
| Commercial crude oil production..... | 1,190,745,000 | 1,268,959,000 |
| Gross domestic production (including oil burned on leases) ..... | 1,202,652,000 | 1,271,649,000 |
| | Week ended Dec. 31, 1938 | Week ended Dec. 31, 1937 |
| Daily average production ..... | 3,278,689 | 3,481,900 |
| | Week ended Dec. 24, 1938 | Week ended Dec. 17, 1938 |
| Estimated motor fuel stock total..... | 69,959,000 | 69,635,000 |
| Estimated finished motor fuel stock at refineries ..... | 39,833,000 | 39,403,000 |

**Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7**

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ing an obsolete product because of the general raising of the octane level. This condition in no small way has contributed to the greater demand for the natural products.

The competition being made from lower price crude continued to be the main price influence throughout the middle west, resulting in a severe competitive selling condition throughout the refined oil market. There has been no letting up of this condition as the volume of lower than market priced crude is still increasing.

Following are the approximately prices of the various refined products based upon the group three market:—

GASOLINE.—The U. S. Motor was being offered more freely at 3½c. a gallon with quotations ranging up to 4c. a gallon. Very little trading was done at the higher bracket. The 63-66 octane is 3⅝c. to 4c. per gallon and the 67-69 is 3⅞c. to 4¼c. per gallon. The 70-72 is 4⅜c. to 4¾c. per gallon.

NATURAL GASOLINE.—Quotations are unchanged with the tone very strong. The 26-70 is quoted at 3¾c. to 4c. per gallon with most of the trading going at the lower price which was unchanged from last week. However, the higher bracket was up from ⅛c. to ¼c. per gallon. Other grades were correspondingly strong.

DISTILLATES.—The pressure lifted and the market turned in favor of the sellers. The No. 1 prime white was 3⅝c. to 4c. per gallon while No. 2 was 3⅜c to 3⅞c. per gallon. The No. 3 is 3½c. to 3⅝c. per gallon and gas oils are unchanged.

KEROSENE.—Quotations remained unchanged with the 41-43 at 3⅞c. to 4¼c. per gallon. The 42-44 grade is 4c. to 4⅜c. per gallon.

FUEL OILS.—An improving demand has strengthened the tone although quotations are unchanged. The low grades are still 40c. to 65c. per barrel for oils of 15 degrees and below. The 24-28 degree grades are $1 per barrel for the low cold test and 85c. to 90c. per barrel for the high cold test.

LUBRICANTS.—The tone remains unchanged with offerings still heavy. However the reduced production at one point because of the labor situation helped the market in the mid-continent.

**Chicago**, Dec. 29.—The tankcar gasoline market continues to be more or less disturbed and unsettled. Buyers have been reporting offerings at concessions. Meanwhile, the pressure from local price wars is continuing, and the irregularity of the crude market is making itself felt. Consumption has been hit by bad weather, too. Kerosene is dull. The good grades of heating oils are beginning to come into their own and tone in those products is firmer. Although there are still large accumulations of heavy, industrial products, conditions there are steadier with demand good. Lubricating oils, too, are moving fairly well.

GASOLINE.—Low octane motor, 3⅝c. to 3⅞c. per gallon; 63-66 octane motor, 3⅞c. to 4⅛c.; 67-69 octane motor, 4⅛c. to 4⅜c.; 70-72 octane motor, regular, 4⅜c. to 4⅝c.; 60-62, 400, 3⅝c. to 3⅞c. 64-66,375, 4c. to 4¼c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅛c. to 4⅜c. per gallon; 41-43, water white, 3⅞c. to 4⅛c.

FURNACE OILS.—Range oil, 3¾c. to 4⅛c. per gallon; No. 1 white, 3⅝c. to 4c.; No. 1 straw, 3½c. to 3⅞c.; No. 2 straw, 3⅜c. to 3¾c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

**New Orleans**, Dec. 27.—Domestic market quotations remained steady during the past week with no changes being noted in prices previously quoted. Foreign inquiries and exports remained fair. U. S. motor gasoline was quoted at 5c.; U. S. motor below 62 octane at 5c.; 63-67 octane at 5¼c. and 68-70 octane at 5⅞c.—all prices being based on a per gallon rate at refinery.

Kerosene continued steady and was quoted at 7⅜c. per gallon at refinery.

Bunker C fuel oil was quoted at 75c. per barrel at terminal and 80c. per barrel delivered alongside, while industrial plants in this vicinity were quoted at $1.36 per barrel delivered.

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**Signal Oil Company**, Los Angeles, has distributed a Christmas bonus of two percent of the 1938 salary to all employees who have been with the company six months or longer.

**Donald G. Clark** has been named director of purchases for the Gulf Oil Corporation, Pittsburgh. Mr. Clark is a former president of the National Association of Purchasing Agents and served as head of the Rhode Island Purchasing Agents' Association.

# Fertilizer Materials

**Renewed Interest Expected This Month—Railroad Fertilizer Rates Up 15 Percent in Mississippi—Tankage and Dried Blood Prices Increase—Bone Material Goes Down**

Slackness was noted in the market for fertilizer materials during the past week, but the upturn is expected this month. The New York Tankage market and the dried blood market in Chicago saw a price increase, while the New York price for domestic raw bone material underwent substantial price slash.

Interest of men engaged in the fertilizer field centered last week on Biloxi, Miss., where a three-judge Federal court denied the state of Mississippi's petition for an injunction to prevent railroads from increasing fertilizer rates by 15 percent. The increase had been granted by the Interstate Commerce Commission over state protest. More than 30 railroads were represented at the Federal court hearing.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Blood, high-grade, Chicago, 15c. per unit-ton.
import, 5c. per unit-ton.
Calcium phosphate dibasic, 2c. per unit-ton.
Tankage, dom., ground, 10c. per unit-ton.
unground, 10c. per unit-ton.
fertilizer grade, Chicago, 50c. per unit-ton.

**Reduced**

Bone, raw, dom., 4½-50 percent, Atlantic ports, 50c. per ton.
Nitrogenous material, 8-11 percent, Wisconsin, 5c. per unit-ton.

### Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 66.3 | 66.3 | 66.3 | 66.7 |

Market news that may have developed after this report was sent to press will be found on page 4.

Chilean nitrate production, shipments, and sales for the year 1937-38 increased over that of 1936-37, according to a report of the Chilean Nitrate and Iodine Corporation. The November production of sulphate of ammonia increased over the output for October this year. The production of ammonia liquor, however, showed a sharp drop from the output in October.

Production of superphosphates continued the downward trend that was prevalent throughout 1937, according to the Department of Commerce. The total output for the first 11 months in 1938 decreased by almost one million tons compared with the similar period in 1937.

## Ammoniates

**Nitrate of Soda.**—The condition of the market remained slack with price continuing firm. Little activity is expected until the end of this month. Production, shipment, and sales of Chilean nitrate showed a gain over the previous year, according to the annual report of the Chilean Nitrate and Iodine Sales Corporation for the fiscal year ended June 30, 1938. Production for 1937-38 was 1,420,312 metric tons as compared with 1,290,276 in 1936-37. Shipments totaled 1,544,001 metric tons in 1937-38 against 1,499,830 metric tons in 1936-37. Sales this year amounted to 1,578,108 metric tons while the figure for the corresponding period the year before was 1,561,536. At the end of 1937-38 there were 1,070,658 metric tons of stocks on hand against 1,228,454 metric tons on hand at the end of 1936-37. The report also stated that the gross profits declined due to rising production cost occasioned by increased wages and other factors.

**Sulphate of Ammonia.** — Demands were moderate last week and the price remained steady. November production of sulphate in by-product coke operations was 89,970,000 pounds, an increase of 7.1 percent over the October output of 84,011,000, according to the monthly report of the Bureau of Mines. The production for the first 11 months of the year was 781,599,000 pounds. The output of ammonia liquor was 4,198,000 pounds ($NH_3$ content) in November, a decrease of 11.9 percent from the October output of 5,134,000 pounds. Liquor production for the first 11 months of the year totaled 40,558,000 pounds.

**Dried Blood.**—The price of this material fluctuated somewhat during the week. Most New York sellers continued to quote $3.25 per unit, although sales were closed at $3.20 per unit in a few quarters. The Chicago market advanced 15c. to a level of $3.50 per unit. The tone of the import market was firm with a price of $2.95, a 5c. increase.

**Fish Scrap.**—Price here was quoted firm at $48.50 per ton spot and for January shipments from abroad. The $1 rise in the price of this material on December 21, and the $2 increase two days later was believed due to curtailed production plus reduced output of the domestic product.

**Nitrogenous Material.**—An easy condition was reported in the Western material market with sellers quoting a price of $2.20 per unit, basis Carrollville, compared with the price of $2.25 per unit the week before.

**Tankage.**—Both the ground and unground domestic material advanced 10c. in price last week to a level of $3.25 and 10c. per unit-ton. Many local sellers continued to quote $3.65 and 10c. per unit-ton for the Chicago feeding material although sales at $3.75—$4 and 10c. were reported. Imported material remained unchanged.

## Potashes

With little spot business reported, the market for agricultural potash salts continued in a quiet position. The buyers were believed to have been amply covered on their purchases made earlier in the season. According to the American Consulate General, Frankfort-on-Main, German exports of crude potash salts in 1937 totalled 781,267 metric tons compared with 643,495 metric tons in 1936. Exports of processed potash were 741,522 metric tons in 1937 against 396,732 the previous year. The high volume of exports reported for 1937 was not maintained in 1938. While a small increase was registered for crude salts, a sharp decline was reported in delivery of processed potash. In addition to the foregoing, 19,050 metric tons of potassium nitrate were exported during the first nine months of 1938, a loss of 2,854 metric tons from the corresponding period of 1937.

## Phosphates

Products included in this division of the market shared in the general dullness noted for all agricultural chemicals. Two price changes were reported in bone materials, but buying interest was slack. Production of superphosphate in November was again under the corresponding month in 1937, thus continuing the downward trend that has prevailed throughout this year, according to the Department of Commerce. November production of bulk super was 287,123 tons against 314,359 tons in October and 324,514 tons in November, 1937. The total output for the 1938 January-November period was 2,620,528 tons compared with 3,363,566 tons in the same period during 1937. Stocks on hand at the end of November were 1,049,159 tons against 1,249,272 tons in October and 1,019,956 tons in November, 1937. Shipments of bulk super in November totalled 110,650 tons compared with 152,617 tons for the same month a year ago.

**Bone Materials.**—The New York price for domestic raw bone material dropped $1.50 to $27 per ton, c.i.f., Atlantic ports. Calcium phosphate dibasic was quoted 2c. higher than last week at a level of 80c. per unit-ton, c.i.f., Atlantic ports.

**Superphosphate.**—The market continued in an unchanged position with the price firm and little buying interest reported. The British Land Fertility Committee estimates that lime consumption on the land quadrupled during the past year, and that the volume of basic slag increased by 70 percent compared with 1936-37. Applications comprised 2,160,000 tons of lime and 577,000 tons of slag.

## Sulphur and Pyrites

The sulphur market held little of interest during the past week. The price continued firm although deliveries were small. Buyers were disposed to hold purchases down to a minimum because of year-end inventories.

### Markets at Other Centers

**Atlanta,** Dec. 28.—Business is virtually at a standstill in fertilizer markets this week with prices practically unchanged. Organic ammoniates are the most buoyant among the fertilizer materials. Sulphate of ammonia is expected to increase 25c. per ton, as per schedule, on January 3.

The trade is looking for a renewal of trading shortly after the first of the year and expectations are that increase in fertilizer consumption may be expected in 1939.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$8.40 per ton, interior producing points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $23.75 to $24 per ton, Southeastern mills.

BLOOD.—$3.50 per unit, basis Chicago; foreign, $2.90 per unit, ports.

TANKAGE.—$3.50 and 10c., Chicago; $3.10 and 10c., foreign, port basis.

NITROGENOUS.—$2.50 per unit, port basis; $2.20 midwestern points.

**Baltimore,** Dec. 28.—The holiday period accentuated the quiet that has prevailed in the market for crude fertilizer materials. There was firmness in prices, and figures continued at the previous quotations. Little activity is looked for until after the turn of the year. The current quotations are about as follows:—

FISH SCRAP.—Domestic menhaden meal is quoted at $50 to $51, basis Atlantic seaboard, with Japanese sardine meal at $48.50 per ton for spot and shipment. The sardine catch is light, with offerings of meal rather scarce.

TANKAGE.—Supplies of this ammoniate are scarce, with the market firm. Last trading was done at $3.15 and 10c. per unit-ton, c.i.f., basis Baltimore. Sellers are asking $3.25 and 10c. per unit-ton, with buying interest lacking.

DRIED BLOOD.—This ammoniate is unchanged as to price with domestic supplies quoted at $3.20 per unit-ton in the last trade.

SUPERPHOSPHATE.—This material went through the week without change in the quotations, which are $7.50 per ton for the run of pile and $8 per ton for 16 percent milled and screened stocks.

NITROGENOUS MATERIAL.—This material is showing little activity, with the figure quoted around $2.50 per unit.

BONE.—Firmness characterized the market as to this ammoniate, which is still being quoted at $24 to $26 per ton for 3 and 50 ground steamed.

**Chicago,** Dec. 28.—Strength continues to be felt in the general fertilizer materials market, with sellers holding firmly for their quoted prices, which are at the highest levels in many months. There is no great volume of business at present, but it is sufficient for the inventory period of the year. Blood has been moving out fairly well, at strong prices. Tankage shows little change at present, with inquiry coming in fairly well. Bone materials have been slow, but are not easing. Crackings are slow but firm.

BLOOD.—Principal grade, $3.50 to $3.55 and 10c. per unit of ammonia.

TANKAGE.—High grade, $3.60 to $3.65 and 10c.; hoof meal, $2.50 to $2.70; liquid stick, $2 to $2.05.

BONE MATERIALS.—Ground, steamed bone, 1½ and 60 percent, $19 to $21; 3 and 50 percent, $24 to $26; 4½ and 50 percent, $28 to $29; grinding hoofs, pigs' toes and waste horn materials, $35 to $45; cattle jaws, skulls and knuckles, $22 to $24; beef cracklings, soft pressed, $37.50 to $42.50; pork cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 75c. to 80c.

**San Francisco,** Dec. 27.—There was practically no change in the general fertilizer

### Fertilizer Makers Noted Improvement in 1937

Manufacturers of fertilizers reported that the number of wage earners employed in this industry in 1937 was 20,893, compared with 17,473 reported in 1935, and wages paid last year amounted to $15,364,169, against $10,967,021 in 1935. The number of establishments totaled 743 in 1937, against 670 in 1935. Cost of materials, supplies, etc., was placed at $130,080,550 in 1937, compared with $93,364,695 in 1935. The value of the products of the industry for 1937 was $195,759,025, against $140,386,112 in 1935, according to the preliminary figures compiled from returns of the recent Biennial Census of Manufacturers, released by the Bureau of the Census.

This industry, as classified for census purposes, embraces establishments engaged primarily in the production of commercial fertilizers, of which the principal classes are complete fertilizers (mixtures of superphosphates, potash, and ammoniates) and superphosphates. It does not include the merchandising of fertilizer materials for use in the natural state, nor of tankage from meat-packing establishments for use without remanufacture.

### Fertilizer Materials Used In Canada Tabulated

The Dominion Bureau of Statistics, Ottawa, has made public the following table showing the materials used in the Canadian fertilizer manufacturing industry in 1937 and 1936:—

| | Short tons 1937. | 1936. |
|---|---|---|
| Ammonia phosphate | 2,674 | 1,582 |
| Ammonia sulphate | 22,284 | 14,931 |
| Basic slag | ..... | 2,075 |
| Bone char | 649 | 454 |
| Bone meal and bone flour | 157 | 479 |
| Calcium cyanamide | 4,145 | 2,437 |
| Calcium nitrate and nitrochalk | 733 | 173 |
| Dried blood | 408 | 176 |
| Fish meal or scrap | 419 | 515 |
| Lime or land plaster | 3,995 | 2,721 |
| Kainite and potash manure salts | 75 | 853 |
| Phosphate rock | 101,794 | 60,924 |
| Potassium chloride | 28,899 | 17,251 |
| Potassium nitrate | 624 | 25 |
| Potassium sulphate | 3,925 | 2,551 |
| Sodium nitrate | 8,314 | 3,896 |
| Sulphuric acid, 66° Be | 172,570 | 142,646 |
| Superphosphate, 16% | 22,190 } | 96,676 |
| Superphosphate, 20% | 114,181 } | |
| Superphosphate, 45% | 1,430 | 839 |
| Tankage | 1,374 | 1,660 |
| Whale meat, bone and blood | 139 | ..... |
| All other materials | ..... | ..... |
| Containers and shipping materials | ..... | ..... |

**Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7**

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materials market from that of the previous several weeks during the period under review. The movement of organic products continued to be good, while sellers of chemical products were finding the present market outlook a bit discouraging. Chemicals are moving against contract, but these materials are not finding the acceptance they should. Mixers report the situation very dull. There was a very light application this Fall. Packing houses report the demand for tankage and blood exceedingly good.

Ruling prices were:—

SULPHATE OF AMMONIA.—$31.50 per ton, port basis, San Francisco and/or Los Angeles. Inland points, delivered, $1 per ton extra.

NITRATE OF SODA.—$29 per ton, 100-pound bags, ex vessel or warehouse; 200-pound bags, $28.30 per ton, ex vessel or warehouse.

SUPERPHOSPHATE. — Domestic superphosphate was quoted at 75c. per unit in bulk, f.o.b. producer's plant, San Francisco; bags, 85c. per unit. Foreign material, nominal.

AMMONIA PHOSPHATE.—$40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P. A.; inland points, delivered, $1 per ton extra. 11 percent N. and 48 percent P.A. material quoted at $53 per ton, cars, port basis, and $1 per ton extra for delivery inland.

FISH MEAL.—Sardine meal is quoted on the basis of $48.50 per ton, f.o.b. cars, Monterey and San Francisco.

TANKAGE.—Unground, fertilizer grade, wet rendered, $3.25 and 10c. per unit-ton, f.o.b. cars, San Francisco. High grade quoted at $3.65 and 10c. per unit-ton. Dry rendered, ground, $37.50 per ton, f.o.b. cars; unground, dry rendered, 62½c. per unit of protein. The market remains strong.

BLOOD MEAL.—Domestic blood is steady, with the market quoted on the basis of $1.25 per unit, f.o.b. cars, San Francisco.

BONE MEAL.—Domestic steamed bone meal, depending upon quality and seller, quoted at from $25 to $29 per ton, delivered Pacific Coast ports.

## Bids Wanted

**Acid, Boric:**—1,000 one-pound tins for Chicago; Procurement Division, Veterans Administration, Washington; procurement 452, opening January 5.

**Muriatic:**—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 486, opening January 5.

**Nitric:**—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 486, opening January 5.

**Calcium Chloride:**—10,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 485, opening January 3.

**Pitch, Coaltar:**—1,000 pounds; Quartermaster, Fort Douglas, Utah, procurement 6140, opening January 6.

**Rust Preventive:**—3,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn; procurement 6260140, opening January 6.

**Soda Bicarbonate:**—1,200 five-pound tins for Chicago; Procurement Division, Veterans Administration, Washington; procurement 452, opening January 5.

**Starch, Corn:**—18,000 pounds; Naval Supply Depot, Norfolk, Va.; schedule 388, opening February 7.

**Wax, Paraffin:**—10,000 pounds; Supply Officer, Navy Yard, Portsmouth, N. H.; requisition 5-580, opening January 6.

**Vanillin:**—350 one-ounce tins for Chicago; Procurement Division, Veterans Administration, Washington; procurement 452, opening January 5.

## Contracts Awarded

**Scouring Powder:**—4,500 pounds; awarded to the Imperial Products Company by the Treasury Department, Procurement Division, Washington, at $1.19 per 100 pounds; procurement 4904-S, opened December 1.

# *Obituaries*

### Prof. W. B. Day

William Baker Day, dean of the University of Illinois School of Pharmacy, Chicago, died in his home in Oak Park, Ill., December 10, after an illness of two years. He was sixty-seven years of age.

Throughout his life Dean Day had been very active in pharmaceutical associations and educational circles, serving as president of the American Pharmaceutical Association in 1912, general secretary of that association from 1914 to 1923, and secretary from 1923 to 1925. At the time of his death he was secretary of the Board of Trustees of the United States Pharmaceutical Convention of 1930-40.

### Dr. William J. Gascoyne

Dr. William John Gascoyne, president of Gascoyne & Co., consultant chemist, Baltimore, died in a hospital in that city December 27, following an operation. He was eighty-two years of age.

Born in Glasgow, Dr. Gascoyne earned his Ph.D. at the University of Edinburgh. He subsequently came to the United States, settling in Baltimore, where he founded in 1887 the firm bearing his name. He was the surviving charter member of the Association of Official Agricultural Chemists upon the death of Dr. Harvey W. Wiley eight years ago. Dr. Gascoyne was a member of the directorate of the Standard Wholesale Phosphate & Acid Works, Baltimore. Surviving are his wife, three daughters and a son, William J. Gascoyne, jr., who has been associated with his father in Gascoyne & Co., for many years.

### Virgil H. Hunter

Virgil Homer Hunter, manager of the New York office of the Werner G. Smith Company, vegetable oil importer, Cleveland, died in a hospital in New Rochelle, N. Y., December 24. He was fifty-nine years of age.

Born in Townville, Pa., Mr. Hunter moved with his parents to Buffalo, N. Y., where he was educated in the public school system. He started his business career as a clerk with the Marine Bank of Buffalo, and later became an assistant cashier with the State National Bank of North Tonawanda. He subsequently entered the employ of Spencer Kellogg & Sons, Inc., Buffalo, N. Y., and for a period served as sales manager and later was made general sales manager. After four years with the Spencer Kellogg organization, Mr. Hunter came to this city in 1921 and operated an oil brokerage business until 1927, when he joined the Werner G. Smith firm.

He was a member of the New York Paint, Varnish and Lacquer Association; the Oil Trades Association of New York; the Drug & Chemical Club; the Rye Country Club; and the Orienta Beach Club, Mamaroneck, N, Y. Surviving are his wife, a son and a daughter.

### Dr. Lloyd Logan

Dr. Lloyd Logan, head of the chemical and engineering department of the College of Applied Science, Syracuse University, died in his home in Syracuse, N. Y., December 29, after a long illness. He was forty-seven years of age.

Dr. Logan, born in Wallace N. S. was widely known for his work on gas purification, industrial process control by light-sensitiveness means, and gas flow formulas. From 1908 to 1916 he held technical positions with various industrial concerns including the General Electric Company and the Semet-Solvay Company. Subsequent to 1916 he was for a time associated with the Union Sulphur Company and from 1920 to 1925 was experimental engineer in charge of the field engineering division of the Koppers Company.

Surviving are his wife, two sons and a daughter.

### William Robbins Seigel

William Robbins Seigle, chairman of the board of directors and director of research of the Johns-Manville Corporation, died December 26 in a hospital in Rochester, Minn. He was fifty-nine years of age.

Born in Easton, Pa., Mr. Seigle entered the employ of the H. W. Johns Manufacturing Company, as the Johns-Manville organization was then known, in the fall of 1899. For five years he worked in various departments of the Brooklyn plant of the company, acquiring an intimate knowledge of its manufacturing details. The company had embarked upon a program of expansion, and, as other corporations were acquired, Mr. Seigle was put in charge of their operation. In 1912 the late T. F. Manville, a founder of the firm, decided to abandon the company's principal plant in Brooklyn for a suitable site within fifty miles of New York. It was Mr. Seigle who decided upon the farms in New Jersey which were bought and converted into the present plant, now known as Manville, N. J.

Mr. Seigle organized the Norton Laboratories in Lockport, N. Y., in 1916, before the Johns-Manville Corporation had entered the field of research as a corporation. A year later he set up the W. R. Seigle Laboratories in the garage of his home. The latter enterprise became so large and important a factor in the Johns-Manville business that Mr. Seigle moved it to Hartford, Conn., where it was incorporated as the Fibrefraks Laboratories. In 1928 the corporation bought the Fibrefraks Laboratories, and thereafter research work was concentrated at the Johns-Manville factory. In 1917, Mr. Seigle, retaining the presidency of subsidiary companies, was made vice-president of the Johns-Manville Corporation in charge of factories and mines. He became chairman of the board of directors in 1929.

Surviving are his wife, four daughters and two sons.

**Tom L. Burnett,** son of Captain S. Burk Burnett, for whom the city of Burkburnett, Tex., and its big oil field were named, died in Iowa Park, Tex., December 2. He was sixty-seven years of age.

**Harold P. Childs,** vice-president of the Missouri-Kansas Pipe Line Company, died in this city December 27. He was fifty-seven years of age. Before joining the Missouri-Kansas organization, Mr. Childs was associated with the General Electric Company and has been vice-president of the Servel Corporation. Surving are two daughters.

**William H. Donnell,** an auditor for Standard Oil Company of New Jersey for forty years, until his retirement in 1920, died December 26 in his home in Montclair. He was ninety-four years of age. Surviving are his wife, two daughters and a son.

**George Charles Lewis,** whose death was noted in last week's issue, was not a director of Bihn & Wolff as was exroneously stated in the obituary item.

**Walter W. Ogier, Jr.,** executive vice-president of the Pure Carbonic Corporation, this city, died of pneumonia in a hospital in Mount Kisco, N. Y., December 23. He was forty-one years of age. A native of Camden, Me., Mr. Ogier was credited with perfecting certain types of processing machinery in the manufacture of dry ice. Surviving are wife, two daughters and a son.

**Joseph R. Oppenheimer,** secretary and treasurer of the West Disinfecting Company, Long Island City, N. Y., died in the Israel Zion Hospital, Brooklyn, December 19. He was sixty-three years of age.

**Arnold M. Pressinger,** retired assistant comptroller of the Standard Oil Company of New Jersey, in 1933, died December 29 in his home in this city. He was seventy-three years of age. Surviving are his wife, a daughter and a sister.

**G. J. Rollandet,** mining and metallurgical engineer, Denver, Col., died in Corpus Christi, Tex., December 16. He was seventy-three years of age. Surviving is his wife.

**Dr. Charles J. Stucky,** former head of the Bio-Chemistry Department of the Medical School of Georgetown University, died December 26 in Clinton, Conn., following a prolonged illness. He was forty-two years of age. Surviving are his wife, his mother and five sisters.

## A.C.S. Members Attend Metcalf Dedication

*Providence, R. I., Dec. 29, 1938*

Two national symposia in pure and applied science were held by professional divisions of the American Chemical Society, December 27-29. At Brown University, Providence, R. I., the division of physical and inorganic chemistry heard reports of original work recently begun in this country on molecules, largest of the fundamental units of matter. At the Carnegie Institute of Technology, Pittsburgh, the division of industrial and engineering chemistry attacked industrial problems involving the flow of liquids.

The Brown symposium on "Intermolecular Action," including among its speakers Charles A. Kraus, head of the Brown chemistry department, who takes office as president of the American Chemical Society on January 1, joined Wednesday afternoon in the ceremony dedicating the university's new Metcalf Research Laboratory, at which molecular research is being actively pursued. Chairman of the physical and inorganic chemistry division and of the symposium was George Scatchard of the Massachusetts Institute of Technology, who pointed out that improvement in research methods relating to molecules and the widening sphere of the field, which embraces practically all of chemistry, made it important to have a "summing up" which he thought would stimulate and clarify future work.

## 'Oakite' No Bar to 'So-White'

The United States Patent Office has held that H. Kirk White & Co., Oconomowoc, Wis., is entitled to register the notation, "So-White Hand Cleaner," the last two words being disclaimed, as a trademark for powdered hand cleaner, notwithstanding use by Oakite Products, Inc., New York, of the term, "Oakite," as a trademark for cleaning powder of general utility. The ground of the decision is that the marks are not confusingly similar.

# Shipping Information

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## Imports at U.S. Ports

### New York Imports

ACID, COTTONSEED OIL—180 bbls, American Shipper, Manchester
CRESYLIC—1 tin, American Cyanamid & Chem Co, American Stipper, London
117 dms, Artigas, Liverpool
54 dms, Monsanto Chem Co, American Shipper, Liverpool
HYDROBROMIC—1 cs, Akatos, Inc, Elin K, Hamburg
SOYBEAN OIL—50 dms, Tonsberjford, Rotterdam
STEARIC—30 bgs, Orbis Product Corp, Samaria, Liverpool
SULPHURIC—1 cs, Socony Vacuum Oil Co, Tonsbergfjord, London
TAR—1 cs, Monsanto Chem Co, American Shipper, Liverpool
AGAR AGAR—10 bls, Kachurin Drug Co, Aobasan, Kobe
10 cs, Wood & Selick, Aobasan, Kobe
75 bls, 10 cs, Mitsui & Co, Aobasan, Kobe
ALBUMEN, BLOOD—1 ck, Rawplug Co, Samaria, Liverpool
ALCOHOL, DENATURED—300 dms, P R Alcohol Co, Angelina, San Juan
792 dms, P R Alcohol Co, Coamo, San Juan
ALUMINUM POWDER—122 bgs, Deutschland, Hamburg
AMMONIA CRYSTALS—10 cs, Yardley & Co, Alaunia, London
SULPHOCYANIDE—10 kgs, Jungmann & Co, Samaria, Liverpool
AMMONIAC SAL—50 cs, Salvay Sales Corp, American Shipper, Liverpool
ANTIMONY REGULUS—200 cs, Henri Jasper, Antwerp
50 cs, C Gitlan, Tweedbank, Hongkong
ARROWROOT—200 bbls, Morningstar-Nicol, Nerissa, St Vincent
ARSENIC—86 bbls, Curtin Howe Corp, Mormactide, Stockholm
24 dms, A A Lehman Co, Schodack, Bordeaux
19 cks, Innis, Speiden & Co, Deutschland, Hamburg
145 bbls, American Smelting & Refg Co, Agwistar, Tampico
ASBESTOS—1,780 bgs, Birmania, Genoa
11 bls, Asbestos, Ltd, Robin Adair, Lourenco Marques
ASPHALT—7 bgs, Siboney, Vera Cruz
MINERAL—310 bgs, Central Commi Co, Seatrain Havana, Havana
BABASSU KERNELS—14,833 bgs, General Food Corp, Swinburne, Maranham
1,666 bgs, General Food Corp, Cape Howe, Parnahyba
5,087 bgs, General Food Corp, Cape Howe, Maranham
BALSAM—2 dms, Dodge & Olcott Co, Santa Rosa, Cristobal
4 dms, Dodge & Olcott Co, Chiriqui, Porto Cabello
BARIUM SULPHATE—1 cs, Europa, Bremen
BARK, MEDICINAL—44 bgs, Deutschland, Hamburg
BARYTES—2 bgs, Wishnick-Tumpeer, Birmania, Genoa
BAUXITE—1,639 tons, Aluminum Union, Ltd, Ingrid, Georgetown
1,400 tons, Aluminum Union, Ltd, Ingrid, Trinidad
BAY RUM—31 dms, Bornn Distilling Co, Angelina, San Juan
97 bbls, Hudson Tea & Spice Co, Angelina, San Juan
BELLADONNA POWD—1 crtn, Peek & Velsor, Angelina, Ponce
BISMUTH, REFD—150 bxs, Cerro De Pasco Copper Corp, Santa Inez, Callao
BONE MEAL—2 bgs, Paul K Kohler, Black Gull, Antwerp
BONES—2 cars, Geck Trading Co, Seatrain Havana, Havana
BORON FLUORIDE—15 cyls, Standard Oil Co of N J, Black Hawk, Rotterdam
BRISTLES—7 cs, M Broverman & Son, Tonsbergfjord, London
22 cs, Tonsbergfjord, London
21 cs, Polack & Co, Alaunia, London
46 cs, Chesnut, Cooper & Co, Aquitania, Southampton
10 cs, F H Cone & Co, American Farmer, London
24 cs, American Farmer, London
12 cs, Iwai & Co, Yamakaze, Kobe
2 cks, 2 cs, Globe Shipping Co, Pilsudski, Gdynia
4 bbls, Pilsudski, Gdynia
70 cs, H Rosenhirsch Co, Aobasan, Kobe
30 cs, F H Cone & Co, Aobasan, Kobe
7 cs, Guaranty Trust Co, Nordvest, Bombay
38 cs, F H Cone & Co, Kiyokawa, Kobe
50 cs, Kane Import Corp, Kiyokawa, Tientsin
55 cs, B C Ritchie & Co, Kiyokawa, Tientsin
BRONZE POWDER—8 cs, R F Downing & Co, Europa, Bremen
BUTYL ACETATE—1 cs, Akatos, Inc, Elin, Hamburg
CALCIUM METALLIC—12 cs, C Hardy, Estrella, Marseilles
PHOSPHATE—30 cs, City Chemical Corp, Elink, Hamburg
TARTRATE—120 bgs, Charles Pfizer & Co, Estrella, Marseilles
CAMPHOR, REFINED—75 cs, Mitsui & Co, Aobasan, Kobe
165 cs, Iwai & Co, Kiyokawa, Kobe
CANARY SEED—338 bgs, Anita, Buenos Aires
CARAWAY SEED—150 bgs, 16,500 lbs, Catz American Co, Tonsbergfjord, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Statendam, Rotterdam
CARDAMOM—44 cs, Brown Bros-Harriman Co, Urbino, Colombo
20 cs, Nordvest, Bombay
CAROBS—95 cs, Irving Trust Co, Urbino, Port Said
95 cs, Nordvest, Limassol
CASEIN—267 bgs, National City Bank, Normandie, Havre
CASSIA—300 bls, A G Dunn, Siamese Prince, Hongkong
140 bls, Avery F Payne Co, Siamese Prince, Hongkong
100 bls, Siamese Prince, Hongkong
VERA—102 pkgs, Van Loan & Co, Tweedbank, Padang
102 pkgs, J F Frank, Tweedbank, Padang
459 pkgs, J F Frank, Thurland Castle, Padang
27 cs, J F Frank, Siamese Prince, Macassar
CASTOR BEANS—21,582 bgs, Swinburne, Fortaleza
5,106 bgs, Berkshire Chem Co, Vio Verde, Bahia
1,700 bgs, Tunley & Co, Vio Verde, Bahia
8,500 bgs, L Dreyfus & Co, Vio Verde, Pernambuco
CELLOIDINE—1 cs, Sherka Chem Co, Deutschland, Hamburg
CELERY SEED—307 bgs, Urbino, Port Said
87 bgs, Estrella, Marseilles
CHALK—20 bgs, Yamakase, Osaka
25,500 kilos, C J Osborn & Co, Black Gull, Antwerp
COMMON—1,600 bgs, R L Watkins Co, Alaunia, London
PRECIPITATED—125 bgs, 9 tons, 9 cwt, 2 qtrs, 26 lbs, H J Baker & Bros, Samaria, Liverpool
CHAMOIS SKINS—6 cs, Chase National Bank, American Farmer, Havre
CHEMICALS—125 cks, E M Sergeant Pulp & Chem Co, Europa, Bremen
1 cs, E I duPont de Nemours & Co, Europa, Bremen
2 cs, 1 dm, 9 cks, Europa, Bremen
15 cs, International Forwarding Co, Normandie, Havre
5 cs, F Eissing, Black Hawk, Rotterdam
140 bgs, Otto Herman, Black Hawk, Rotterdam
20 cks, General Dyestuff Corp, Black Hawk, Rotterdam
20 cks, Black Hawk, Rotterdam
20 dms, Philip Bauer Co, Tonsbergfjord, Antwerp
1 cs, Yardley & Co, Alaunia, London
1 cs, Merck & Co, Aquitania, Southampton
1 cs, Merck & Co, American Farmer, London
1 cs, Eimer & Amend, American Farmer, London
200 bgs, Hummel Chem Co, Statendam, Rotterdam
5 cans, 2 cks, Ciba Co, Statendam, Rotterdam
10 dms, Chemical Marketing Co, Statendam, Rotterdam
7 cks, 2 cs, Statendam, Rotterdam
1,016 bgs, Advance Solvents & Chem Co, Deutschland, Hamburg
135 bbls, National City Bank, Deutschland, Hamburg
5 cs, 4 cks, 240 carboys, 20 dms, Deutschland, Hamburg
1 cs, P C Kuyper & Co, Deutschland, Hamburg
5 cks, Fezandie & Sperrie, Deutschland, Hamburg
10 dms, 20 cs, Sherka Chem Co, Deutschland, Hamburg
2 bgs, Acme Chem Co, American Shipper, Manchester
50 bgs, 20 cks, American Cyanamid & Chem Co, Black Gull, Rotterdam
200 bgs, 25 dms, Black Gull, Rotterdam
25 cks, American Cyanamid & Chem Co, Black Gull, Antwerp
160 bgs, Bank of London South America, Scanstates, Gdynia
150 bgs, Philip Bauer Co, Scanstates, Gdynia
70 bbls, International Selling Corp, Estrella, Marseilles
CHROME ORE—4 cs, International Selling Corp, Examelia, Izmir
1,700 tons, E J Lavino & Co, Robin Adair, Beira
CINCHONA, PRODUCTS—80 cs, Merck & Co, Tonsbergfjord, Rotterdam
100 dms, R W Greeff & Co, Statendam, Rotterdam
CINNAMON—25 bls, I Harrison & Whitney, Tweedbank, Colombo
CLAY—450 bgs, W Manley, Manhattan, Hamburg
10 cs, Manhattan, Hamburg
150 bgs, W Manley, Deutschland, Hamburg
COALTAR, DERIVATIVES—16 dms, General Aniline Works, Statendam, Rotterdam
INTERMEDIATES—50 dms, 42 cks, 10 bots, 1 cs, General Dyestuff Corp, Statendam, Rotterdam
COBALT, OXIDE, BLACK—70 kgs, Central Trading Corp, Mormactide, Wiborg
COCOA BEANS—1,950 bgs, Curacao Trading Co, Coamo, Trujillo
2,000 bgs, W R Grace & Co, Swinburne, Bahia
4,500 bgs, Swinburne, Bahia
250 bgs, Middleton & Co, Oranje Nassau, Trinidad
250 bgs, General Cocoa Co, Oranje Nassau, Trinidad
250 bgs, Schutte & Focke, Calypso, Jeremie
250 bgs, Calypso, Jeremie
1,359 bgs, W & A Leaman, Statendam, Rotterdam
3,700 bgs, Cape Howe, Bahia
350 bgs, Meyer & Co, Brazil, Trinidad
250 bgs, W R Grace & Co, Brazil, Trinidad
250 bgs, Middleton & Co, Brazil, Trinidad
250 bgs, Middleton & Co, Ingrid, Trinidad
100 bgs, Buenaventura, South American ports
2,000 bgs, Nieschlag & Co, Vio Verde, Ilheos
5,000 bgs, A C Israel Com Co, Vio Verde, Ilheos
4,000 bgs, General Cocoa Co, Vio Verde, Ilheos
11,000 bgs, Wessel, Kulenkampf & Co, Vio Verde, Ilheos
1,500 bgs, Nieschlag & Co, Vio Verde, Bahia
RESIDUE—1,177 bgs, H J Baker & Bro, Black Hawk, Rotterdam
COCONUTS—84 bgs, Universal Import & Export Co, Angelina, Mayaguez
100 bgs, 51 half bgs, Universal Import & Export Co, Angelina, San Juan
2 bgs, Winthrop Chem Co, Angelina, San Juan
75 bgs, American Lime Corp, Angelina, San Juan
400 bgs, General Food Corp, Angelina, San Juan
25 bgs, 150 half bgs, J Simon & Co, Angelina, San Juan
20 bgs, Lundt & Co, Coamo, San Juan
14 bgs, Simon French Co, Coamo, San Juan
950 bgs, J Simon & Co, Ingrid, St Vincent
COCONUT, DESIC—1,449 cs, Cooperative Coconut Prod Co, Aobasan, Manila
COD OIL, STEARIN—50 cks, W Fischer, Manhattan, Hamburg
100 bbls, Manhattan, Hamburg
COLOMBO ROOT—85 bgs, Nordvest, Bombay
COLORS—12 cks, Fulton Dye & Import Co, Normandie, Havre
10 dms, Stanley Doggett, Statendam, Rotterdam
4 dms, Krebs Pigment & Color Co, Statendam, Rotterdam
CADMIUM—10 bbls, Hensel, Bruckmann & Lorbacher, Deutschland, Hamburg
DRY—4 cks, American Farmer, London
EARTH—15 cks, Stanley Doggett, Statendam, Rotterdam
56 bbls, C Happel, Deutschland, Hamburg
COLORS, POTTERS—2 cs, D C Andrew & Co, Samaria, Liverpool
COPAIBA BALSAM—10 dms, George Uhe Co, Swinburne, Itacoatiara
60 cs, F B Ross & Co, Cape Howe, Manaos
30 cs, G Uhe Co, Cape Howe, Manaos
CORK, VIRGIN—6,177 bls, Brown Bros-Harriman Co, Estrella, Casablanca
WASTE—133 bls, Schodack, Bordeaux
135 bls, Estrella, Marseilles
71 bls, Brown Bros-Harrimann Co, Estrella, Casablanca
WOOD—25 bls, Deutschland, Hamburg
CUBE ROOT—260 bls, Wessel, Duval & Co, Swinburne, Iquitos
CUBEBS—10 bgs, Siamese Prince, Singapore
CUMARU CAKE—274 bgs, Swinburne, Fortaleza
CUMIN SEED—100 bgs, Knickerbocker Mills Co, Estrella, Marseilles
DERRIS ROOT — 30 bls, Tweedbank, Port Swettenham
DEXTRIN POTATO—100 bgs, Stein, Hall & Co, Statendam, Rotterdam
DYES, ALIZARIN — 46 cns, General Dyestuff Corp, Europa, Bremen
10 dms, 5 jugs, 35 cks, 1 cs, General Dyestuff Corp, Statendam, Rotterdam
ANILIN—14 cks, 2 cs, General Dyestuff Corp, Europa, Bremen
3 cyls, 2 bbls, General Dyestuff Corp, Normandie, Havre
3 cyls, 2 bbls, Sandoz Chem Works, Normandie, Havre
17 dms, Sandoz Chem Works, Statendam, Rotterdam
52 dms, 1 cs, Ciba Co, Statendam, Rotterdam
27 dms, 109 cks, General Dyestuff Corp, Statendam, Rotterdam
4 cks, 1 pkg, General Dyestuff Corp, Deutschland, Hamburg
FAT WOOL—30 dms, Robinson-Wagner Co, American Shipper, Liverpool
FENNEL SEED—242 bgs, Nordvest, Bombay
58 bgs, Estrella, Marseilles
FERROMANGANESE—125 cs, American Farmer, Havre
FERRO VANADIUM—5 cks, Mercantile Metal & Ore Co, Black Gull, Antwerp
FILTER, COMP—150 bls, Mager Bros, Deutschland, Hamburg
PAPER—1 cs, H Reeve Angel & Co, Alaunia, London
11 cs, 4 bls, Deutschland, Hamburg
PULP—12 bls, Deutschland, Hamburg
FLAXSEED—165 bgs, C Clausen & Co, Brazil, Buenos Aires
FLEASEED—110 bgs, Estrella, Marseilles
268 bgs, W E Martin, Nordvest, Bombay
150 bgs, T M Duche & Sons, Nordvest, Bombay
260 bgs, S B Penick & Co, Nordvest, Bombay
195 bgs, Nordvest, Bombay
HUSK—10 bgs, Nordvest, Bombay
FLUORSPAR—163 tons, Estrella, St Raphael
GAMBIER—260 cs, American Dyewood Co, Siamese Prince, Belawan Deli
GELATIN—22 dms, Dupont Film Mfg Co, Aquitania, Southampton
10 cs, Dingelstedt & Co, Deutschland, Hamburg
POWDERED—27 bbls, 2 dms, 6 kgs, Robert D McLellan, Black Hawk, Rotterdam
5 bgs, Deutschland, Hamburg
GLASS, SHEET—1,080 cs, Henri Jasper, Antwerp
1,575 cs, Petrocelli, Brusse & Rogers, Black Gull, Antwerp
WINDOW—1,500 cs, Henri Jasper, Antwerp
800 cs, Semon, Bache & Co, Manhattan, Hamburg
10 cs, S A Bendheim Co, Manhattan, Hamburg
1,250 cs, Tonsbergfjord, Antwerp
1,015 cs, Semon, Bache & Co, Black Gull, Antwerp
500 cs, Black Gull, Antwerp
GLUE—20 bgs, Rex & Reynolds, Black Gull, Antwerp
GLUESTOCK—350 bgs, J J Murphy & Co, American Shipper, Liverpool
GLYCERIN—1 car, Procter & Gamble Co, Seatrain Havana, Havana
GRAPHITE—307 bgs, Irving Trust Co, Siamese Prince, Colombo
500 bgs, Norwegian American Line, Deutschland, Hamburg
331 bgs, Bank of Manhattan, Urbino, Colombo
500 bgs, Asbury Graphite Mills, Urbino, Colombo
70 bgs, Mitsui & Co, Kiyokawa, Haiphong
GREASE WOOL—24 bbls, Hummel Chemical Co, Samaria, Liverpool
GUM, ARABIC—50 bgs, J L Hopkins & Co, Nordvest, Port Sudan
50 bgs, Thurston & Braidich, Nordvest, Port Sudan
50 bgs, Frank Vliet Co, Nordvest, Port Sudan
BENZOIN—32 cs, National City Bank, Tweedbank, Sibolga
50 cs, W E Martin, Tweedbank, Sibolga
25 cs, Tweedbank, Sibolga
CHICLE—388 bls, Chicle Development Co, Iriona, Porto Barrios
6 bgs, Chicle Development Co, Santa Rosa, Cristobal
COPAL—300 bgs, Stroock & Wittenburg, Henri Jasper, Antwerp
300 bgs, O G Innis Corp, Henri Jasper, Antwerp
100 bgs, France, Campbell & Darling, Henri Jasper, Antwerp
49 bgs, G W S Patterson & Co, Alaunia, London
67 bgs, O G Innes Corp, Thurland Castle, Manila
139 bgs, 116 bskts, O G Innes Corp, Siamese Prince, Macassar
63 bgs, S Winterbourne & Co, Siamese Prince, Macassar
191 bgs, Van Norden & Archibald, Siamese Prince, Macassar
175 bskts, G W S Patterson & Co, Siamese Prince, Macassar
56 bskts, American Cyanamid & Chemical Co, Siamese Prince, Macassar
181 bskts, Stroock & Wittenburg, Siamese Prince, Macassar
35 bgs, American Cyanamid & Chemical Co, Siamese Prince, Singapore
DAMMAR—200 bgs, 200 cs, Thurston & Braidich, Tweedbank, Batavia
50 cs, W H Scheel, Tweedbank, Singapore
50 cs, France, Campbell & Darling, Tweedbank, Singapore
200 cs, Thurston & Braidich, Thurland, Batavia
650 bgs, Thurston & Braidich, Fairfield City, Batavia
210 bgs, France, Campbell & Darling, Fairfield City, Singapore
210 bgs, Chase National Bank, Fairfield City, Singapore
280 bgs, 100 cs, Manufacturers Trust Co, Fairfield City, Singapore
GUM DAMMAR—70 bgs, G W S Patterson & Co, Siamese Prince, Macassar
65 bgs, American Cyanamid & Chemical Co, Siamese Prince, Macassar
130 bgs, Gillespie, Rogers, Pyatt Co, Siamese Prince, Macassar
210 bgs, Siamese Prince, Singapore
525 bgs, O G Innes Corp, Siamese Prince, Singapore
280 bgs, 100 cs, G W S Patterson & Co, Siamese Prince, Singapore
70 bgs, 50 cs, Gillespie, Rogers, Pyatt Co, Siamese Prince, Singapore
70 bgs, 100 cs, France, Campbell & Darling, Siamese Prince, Singapore
210 bgs, Guaranty Trust Co, Siamese Prince, Singapore
50 cs, American Cyanamid & Chemical Co, Siamese Prince, Singapore
50 cs, Stroock & Wittenburg, Siamese Prince, Singapore
15 cs, Deutschland, Hamburg
KARAYA — 134 bgs, Jacques Wolf & Co, Nordvest, Bombay
70 bgs, Frank Vliet Co, Nordvest, Bombay
280 bgs, Orbis Product Corp, Nordvest, Bombay
200 bgs, Paul A Dunkel & Co, Nordvest, Bombay
343 bgs, S B Penick & Co, Nordvest, Bombay
LOCUST BEAN—80 bgs, T M Duche & Sons, Birmania, Genoa
50 bgs, Birmania, Genoa
OLIBANUM—70 bgs, Frank Vliet Co, Nordvest, Bombay
MYRRH—10 cs, Urbino, Aden
PENDARE—2 bgs, Chicle Development Co, Ingrid, Trinidad
PERILLA—297 bls, L A Dreyfus Co, Chiriqui, Porto Cabello
TRAGACANTH—46 cs, E Meer & Co, American Farmer, London
182 bgs, Thurston & Braidich, Nordvest, Bombay
67 bgs, 16 cs, Orbis Product Corp, Nordvest, Bombay
404 bgs, E Meer & Co, Nordvest, Bombay
20 cs, A D Isbetcherian Co, Nordvest, Bombay
48 bgs, Thurston & Braidich, Nordvest, Bombay
64 bgs, Nordvest, Bombay
32 bgs, Frank Vliet Co, Nordvest, Iran
GYPSUM—4,700 tons, U S Gypsum Co, Gypsum Co, Gypsum Empress, Windsor
4,900 tons, U S Gypsum Co, Gypsum Prince, Windsor
HENNA LEAVES—40 bgs, Soeldner Heyman & Co, Nordvest, Bombay
HERBS, MEDICINAL — 30 cs, Manhattan, Hamburg
15 bls, Birmania, Trieste
16 bgs, Deutschland, Hamburg
8 bls, American Express Co, Deutschland, Hamburg
7 bls, R D Hines, Deutschland, Hamburg
HEXAMETHYLENETETRAMINE—45 dms, H J Baker & Bro, Black Gull, Antwerp
HOPS—40 cs, S Steiner & Co, Henri Jasper, Antwerp
20 bls, A F Baer, Manhattan, Hamburg
61 bls, Atlantic Forwarding Co, Manhattan, Hamburg
48 bls, Heemsoth Kerner Corp, Manhattan, Hamburg
217 bls, Guaranty Trust Co, Manhattan, Hamburg
59 bls, R F Downing & Co, Manhattan, Hamburg
13 bls, Manhattan, Hamburg
25 bls, Atlantic Forwarding Co, Deutschland, Hamburg
26 bls, Atlantic Forwarding Co, Alaunia, London
25 bls, Atlantic Forwarding Co, Mormactide, Gdynia
7 cs, P Reineman, Statendam, Rotterdam
20 bls, Manufacturers Trust Co, Deutschland, Hamburg
31 bls, Globe Shipping Co, Deutschland, Hamburg
67 bls, Bode & Voigt, Deutschland, Hamburg
60 bls, S Steiner & Co, Black Gull, Antwerp
HOREHOUND HERBS—24 bls, J L Hopkins & Co, Exochorda, Marseilles
INDIGO—10 dms, General Dyestuff Corp, Statendam, Rotterdam
INK, PRINTING—5 dms, 9 cs, Chase Natl Bank, Deutschland, Hamburg
IPECAC ROOT—31 bgs, C E Griffin & Co, Buenaventura, Central American Ports
IRON ORE—8 cks, 8 dms, Reichard Coulston, American Shipper, Liverpool
OXIDE—25 kgs, J H Rhodes & Co, Samaria, Liverpool
11 cks, J A McNulty, American Shipper, Liverpool
102 bbls, Reichard Coulston, Black Gull, Antwerp
ISINGLASS—9 cs, Richard Shipping Corp, American Farmer, London
LEAVES, MEDICINAL—10 bls, Deutschland, Hamburg
LICORICE PASTE—10 cs, Estrella, Marseilles
LIME JUICE—10 hhds, T A Hedley, Nerissa, Dominica
LINALYL ACETATE—3 dms, Geo Luieders & Co, Aobansan, Kobe
LYCOPODIUM—17 cs, Statendam, Rotterdam
MACE—16 cs, W E Martin, Siamese Prince, Banda
14 cs, L A Guido, Siamese Prince, Macassar
21 cs, S Miltenberg, Siamese Prince, Macassar
14 cs, Catz American Co, Siamese Prince, Macassar
20 cs, T Scott & Co, Ingrid, Grenada
5 cs, B H Old & Co, Ingrid, Grenada
MAGNESIA, CALCINED—10 cks, Schofield-Donald Co, American Shipper, Glasgow
CARBONATE—10 cks, 35 cs, 250 bgs, Schofield-Donald Co, American Shipper, Liverpool
HYDRATE—30 cs, Schofield-Donald Co, American Shipper, Liverpool
MANDIOCA FLOUR—35 bgs, Caribbean Trading Co, Brazil, Rio de Janeiro
35 bgs, Overseas Credit Corp, Brazil, Rio Janeiro
MANGANESE, MINERAL—1 cs, Fidelity Union Trust Co, Seatrain Havana, Havana
ORE—5 cs, Bowring & Co, Estrella, Casablanca
MANGROVE BARK EXTRACT—1,000 bgs, Thurland Castle, Singapore
MATCHES, SAFETY—858 contrs, Guaranty Trust Co, Manhattan, Hamburg
2,100 contrs, New York Match Co, Vingaren, Gothenburg
1,500 cs, 1 pkg, Godo Match Co, Aobasan, Kobe
MEDICINAL PREPS—9 cs, E Fougera & Co, Normandie, Havre
5 cs, G J Wallan, Normandie, Havre
3 cs, Burroughs, Wellcome & Co, American Farmer, London
6 cs, American Farmer, London

MENTHOL—30 cs, Kachurin Drug Co, Yamakaze, Yokohama
25 cs, Mitsui & Co, Aobasan, Kobe
125 cs, Mitsui & Co, Aobasan, Kobe
25 cs, Mitsubishi-Shoji-Kaisha, Kiyokawa, Kobe
MICA—663 cs, American Farmer, London
210 cs, Norwegian-American Line, Deutschland, Hamburg
40 cs, Philadelphia Nat'l Bank, Urbino, Calcutta
21 cs, Urbino, Calcutta
28 cs, Ford Radio & Mica Corp, Brazil, Rio de Janeiro
MILLET SEED—200 bgs, Birmania, Fiume
MOLASSES—125,000 gls, Comm'l Molasses Corp, Comol Cuba, Sagua La Grande
MUSTARD SEED—25 bgs, Knickerbocker Mills Co, Black Hawk, Rotterdam
MYROBALANS—11,746 bgs, Urbino, Calcutta
NAPHTHALENE—1,000 bgs, Paul R Kohler, Black Gull, Antwerp
NIGELLA SEED—15 bgs, Estrella, Marseilles
NUTMEGS—450 bgs, Nerissa, Grenada
100 bgs, T Scott & Co, Nerissa, Grenada
150 bgs, Royal Bank of Canada, Nerissa, Grenada
271 bgs, J F Frank, Tweedbank, Padang
24 cs, Catz American Co, Siamese Prince, Macassar
50 bgs, National City Bank, Ingrid, Grenada
OCHER—25 bbls, Whittaker, Clark & Daniels, Estrella, Marseilles
40 bbls, C J Osborn & Co, Estrella, Marseilles
80 bbls, Robinson-Wagner Co, Estrella, Marseilles
OIL, ANISE—10 dms, Aries, Inc, Fairfield City, Saigon
25 dms, French Line, Kiyokawa, Haiphong
BAY—6 cs, Barclay Bank, Nerissa, Dominica
54 cs, Nerissa, Dominica
CAMPHOR—30 dms, Dodge & Olcott Co, Yamakaze, Yokohama
23 dms, Ungerer & Co, Aobasan, Kobe
25 dms, Mitsui & Co, Aobasan, Kobe
CELERY—1 dm, Dodge & Olcott Co, Estrella, Marseilles
CHINAWOOD—580 tons, Chemical Bank & Trust Co, Tweedbank, Hongkong
348 tons, Bank of California, Nat'l Ass'n, Tweedbank, Hongkong
129 tons, Spencer Kellogg & Sons, Tweedbank, Hongkong
90 tons, Wah Chang Trading Corp, Tweedbank, Hongkong
CINNAMON LEAF—1 cs, American Farmer, London
25 dms, R C Treatt & Co, American Farmer, London
CITRONELLA—10 dms, G Uhe Co, Fairfield City, Batavia
26 dms, J F Frank, Siamese Prince, Batavia
20 dms, Catz American Co, Siamese Prince, Batavia
15 dms, Siamese Prince, Batavia
10 dms, Irving Trust Co, Urbino, Colombo
COCONUT—264 tons, Pacific Vegetable Oil Corp, Thurland Castle, Manila
420 tons, Bankers Trust Co, Siamese Prince, Manila
485 tons, Pacific Vegetable Oil Co, Aobasan, Cebu
COD—700 dms, E M Javitz Co, Topdalsfjord, Aalesund
CODLIVER—100 dms, Henri Jasper, Antwerp
10 dms, Gunning & Gunning, Manhattan, Hamburg
460 dms, J D Irwin & Co, Manhattan, Hamburg
48 dms, Manhattan, Hamburg
527 dms, J D Irwin & Co, Scanstates, Copenhagen
125 dms, 42 cs, C L Huisking & Co, Topdalsfjord, Aalesund
CORN—200 cks, Corn Product Refg Co, Birmania, Trieste
COTTONSEED—722 dms, Cape Howe, Natal
CREOSOTE—1 cs, American Farmer, London
CUMARU—1 dm, Swinburne, Fortaleza
ESSENTIAL—3 cs, Europa, Bremen
30 pkgs, Normandie, Havre
15 dms, Pastores, Kingston
1 cs, Manhattan, London
2 cs, Tonsbergfjord, London
2 cs, Alaunia, London
1 cs, Alaunia, Southampton
7 cs, Aquitania, Southampton
5 cs, American Farmer, London
3 cs, Statendam, Rotterdam
EUCALYPTUS — 10 dms, P R Dreyer, Aobasan, Kobe
5 dms, W J Bush & Co, Aobasan, Kobe
FISH LIVER—1 dm, J D Irwin & Co, Tonsbergfjord, London
5 dms, Vitamerican, Inc, Aobasan, Yokohama
FUEL—18,500 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
63,000 bbls, Standard Oil Co of N J, Harry G Seidel, Aruba
110,000 bbls, Standard Oil Co of N J, Marguerite Finaly, Aruba
76,000 bbls, Standard O ilCo of N J, Beacon Street, Aruba
LIME—14 cs, Middleton & Co, Nerissa, Dominica
LINSEED—3 dms, D F Young, American Farmer, London
LUBRICATING—1 dm, Socony Vacuum Oil Co, Europa, Bremen
170 dms, Henri Jasper, Antwerp
15 bbls, Aquitania, Southampton
MINERAL—225 dms, Heemsoth Kerner Corp, Deutschland, Hamburg
MINT—2 bbls, Guaranty Trust Co, Estrella, Casablanca
OITICICA — 170 dms, Bank of Manhattan, Swinburne, Fortaleza
535 dms, Bank of Manhattan, Cape Howe, Ceara
140 dms, Cape Howe, Ceara
OLIVE—2,200 cs, Birmania, Genoa
355 cs, 60 dms, Birmania, Leghorn
25 dms, Estrella, Marseilles
PALM — Quantity, Banques Belge pour l'Etranger, Thurland Castle, Belawan Deli
PALMAROSA—4 pots, Murphy & Pease Co, Nordvest, Bombay
3 pots, Volkart Bros, Nordvest, Bombay
PARAFFIN—1 ck, Advance Solvents & Chem Co, Deutschland, Hamburg
PATCHOULI—2 dms, Fritzsche Bros, Siamese Prince, Batavia
PEANUT—25 dms, I R Boody & Co, Black Hawk, Rotterdam

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OIL, PEANUT—303 tons, Mitsubishi Shoji Kaisha, Yamakaze, Tsingtao
227 tons, Mitsui & Co, Yamakaze, Tsingtao
PERILLA—154 tons, Mitsui & Co, Yamakaze, Kobe
586 tons, S L Jones & Co, Yamakaze, Kobe
RAPESEED—300 dms, Mitsui & Co, Aobasan, Kobe
RESIDUE—75 dms, Deutschland, Hamburg
ROSEWOOD — 20 dms, Cape Howe, Para, 40 dms, Guaranty Trust Co, Cape Howe, Manaos
SASSAFRAS—23 dms, Norda Essential Oil & Chem Co, Aobasan, Kobe
45 dms, Dodge & Olcott Co, Aobasan, Kobe
37 dms, Ungerer & Co, Aobasan, Kobe
PAINT, ANTIFOULING—80 dms, C Redden, American Farmer, London
PAPAIN—13 cs, J L Hopkins & Co, Tweedbank, Colombo
6 cs, Siber, Hegner & Co, Fairfield City, Bangkok
PAPRIKA—25 bgs, J F Downey, Manhattan, Hamburg
30 bgs, Jewett & Sherman, Manhattan, Hamburg
50 bgs, J Raphael & Son, Manhattan, Hamburg
25 bgs, Gallagher & Ascher, Manhattan, Hamburg
40 bgs, Deutschland, Hamburg
PARAFFIN—1 cs, Akatos, Inc, Deutschland, Hamburg
PARSLEY LEAVES—7 bls, P H Petry & Co, Estrella, Marseilles
PEATMOSS—800 bls, International Trading Co, Mormactide, Gdynia
300 bls, Deutschland, Hamburg
PEPPER—5 bgs, Hahne & Burns, Tonsbergfjord, London
1 bg, Catz American Co, Siamese Prince, Batavia
BLACK—2,475 bgs, Tweedbank, Batavia
18,075 bgs, Tweedbank, Oosthaven
6,708 bgs, Catz American Co, Siamese Prince, Oosthaven
WHITE—82 bgs, Tweedbank, Batavia
172 bgs, Catz American Co, Siamese Prince, Kota Baroe
PETROLEUM, CRUDE—75,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
37,175 bbls, Standard Oil Co of N J, Harry G Seidel, Las Piedras
67,531 bbls, Standard Oil Co of N J, Franklin K Lane, Las Piedras
110,000 bbls, Standard Oil Co of N J, R L Hague, Aruba
72,626 bbls, Cities Service Oil Co, Mirlo, Las Piedras
11,935 tons, Standard Oil Co of N J, Calliope, Giuria
95,000 bbls, Standard Oil Co of N J, Esso Aruba, Aruba
PHOSPHATE—1 bg, Paul R Kohler, Black Gull, Antwerp
POPPYSEED—500 bgs, 55,000 lbs, Superintendence Co, Pilsudski, Gdynia
100 bgs, 11,000 lbs, M Witsenburg, Statendam, Rotterdam
100 bgs, 11,000 lbs, Jaburg Bros, Statendam, Rotterdam
150 bgs, 16,500 lbs, Levy & Levis Co, Statendam, Rotterdam
POTASH CAUSTIC—134 dms, American Cyanamid & Chemical Co, Deutschland, Hamburg
CHLORATE—900 dms, Uniform Chemical Product Co, Elin K, Hamburg
150 dms, C Hardy, Black Gull, Antwerp
CYANIDE—91 bbls, J Murphy & Co, Henri Jasper, Antwerp
15 cs, P R Kohler, Tonsbergfjord, Antwerp
SULPHATE—200 bgs, N V Potash Export Mij, Elkin, K, Hamburg
400 bgs, 30 bbls, N V Potash Export Mij, Deutschland, Hamburg
PUMICE—50 bgs, C B Chrystal & Co, Examelia, Canneto
100 bgs, Whittaker, Clark & Daniels, Examelia, Canneto
95 bgs, J H Rhodes & Co, Examelia, Canneto
LUMP—6,838 bgs, J H Rhodes & Co, Examelia, Canneto
PYRETHRUM FLOWERS—49 bls, Birmania, Trieste
50 bls, E Meer & Co, Kiyokawa, Haiphong
PYRIDIN—2 dms, E I Du Pont de Nemours Co, Tonsbergfjord, London
1 dm, Merck & Co, Tonsbergfjord, London
QUINCE SEED—40 bgs, E Meer & Co, Nordvest, Bombay
RADIUM—3 cs, Radium Chem Co, Henri Jasper, Antwerp
RAPESEED—100 bgs, Tonsbergfjord, Antwerp
100 bgs, Wagner Bros, Statendam, Rotterdam
398 bgs, C Clausen & Co, Brazil, Buenos Aires
RESIN—5 cs, General Aniline Works, Statendam, Rotterdam
12 cs, Paul Bertuch & Co, Cape Howe, Manaos
ROOT, MEDICINAL—4 bgs, R D Hines, Deutschland, Hamburg
ROSIN—10 bls, 2 cs, Peek & Velsor, Birmania, Trieste
25 cs, Birmania, Trieste
SAFFRON FLOWERS—5 bls, Siboney, Vera Cruz
SAGO FLOUR—480 bgs, W R Grace & Co, Tweedbank, Singapore
1,600 bgs, Tweedbank, Singapore
371 bgs, Thurland Castle, Singapore
2,434 bgs, Stein, Hall & Co, Thurland Castle, Singapore
381 bgs, Fairfield City, Singapore
364 bgs, National Adhesive Corp, Siamese Prince, Singapore
SANDALWOOD BILLETS—1,782 bgs, Urbino, Calcutta
SARDINE MEAL—2,664 bgs, Mitsui & Co, Aobasan, Seisin
SARSAPARILLA ROOT — 40 bls, Agwistar, Tampico
SEED, MEDICINAL—117 bls, Henri Jasper, Antwerp
SENNA LEAVES—35 bls, Urbino, Colombo
8 bls, J L Hopkins & Co, Nordvest, Port Sudan
PODS—15 bls, Urbino, Colombo
SIFTING—18 bls, J L Hopkins & Co, Nordvest, Port Sudan
SESAME SEED — 195 bgs, O G Lind Corp, Nordvest, Bombay
588 bgs, Nordvest, Bombay
SHELLAC — 31 bgs, 10 cs, A Hurst & Co, Statendam, Rotterdam
100 bgs, E E Androvette, Urbino, Calcutta
SEEDLAC—200 bgs, Ralli Bros, Urbino, Calcutta
SIENNA—30 cks, Whittaker, Clark & Daniels, Birmania, Leghorn
32 cks, Birmania, Leghorn
SOAP—4 cs, Henry Bendel, Normandie, Havre
100 cs, R H Macy & Co, Birmania, Trieste
15 cs, Titan Shipping Co, American Farmer, London
BASE—94 cs, Yardley & Co, Alaunia, London
MILLINGS—10 cs, S Steiner & Co, American Farmer, London
POWDERED—10 cs, D F Sallows, Santa Rosa, Cartagena
SHAVING BASE — 66 cs, Yardley & Co, Alaunia, London
TEXTILE — 2 cs, Elbert & Co, American Shipper, Glasgow
SODA, CARBONATE MONOHYDRATE — 90 dms, Titan Shipping Co, Samaria, Liverpool
CYANIDE—1,000 dms, American Cyanamid & Chem Co, Henri Jasper, Antwerp
SODA, HYDROSULPHITE—60 dms, Chemical Marketing Co, Tonsbergfjord, Antwerp
42 dms, Black Gull, Antwerp
SOLVENTS—612 dms, C P Chemical Solvents, Angelina, Ponce
SPONGES—1 bl, D C Andrew & Co, Tonsbergfjord, London
35 bls, American Farmer, Basle
STARCH, POTATO—70 bgs, Stein, Hall & Co, Statendam, Rotterdam
RICE—75 bbls, Manufacturers Trust Co, Henri Jasper, Antwerp
STRAWBERRY LEAVES—1 bl, P H Petry & Co, Estrella, Marseilles
TALC—500 bgs, C B Chrystal & Co, Birmania, Genoa
1,300 bgs, Charles Mathieu, Birmania, Genoa
175 bgs, Whittaker, Clark & Daniels, Schodack, Bordeaux
950 bgs, L A Salomon & Bros, Schodack, Bordeaux
500 bgs, C B Chrystal & Co, Yamakaze, Kobe
900 bgs, Soeldner, Heyman & Co, Nordvest, Bombay
TANKAGE—3,989 bgs, National City Bank, Anita, Buenos Aires
1,000 bgs, Anita, Buenos Aires
TAPIOCA, FLOUR—1,104 bgs, National Adhesive Corp, Tweedbank, Pasoeroean
560 bgs, Seligman & Co, Tweedbank, Pasoeroean
2,529 bgs, Tweedbank, Pasoeroean
250 bgs, Tweedbank, Cheribon
1,728 bgs, Stein, Hall & Co, Tweedbank, Cheribon
968 bgs, Stein, Hall & Co, Tweedbank, Batavia
1,000 bgs, Seligman & Co, Thurland Castle, Pasoeroean
500 bgs, Sino-Java Handel, Thurland Castle, Cheribon
500 bgs, American Cyanamid & Chem Co, Thurland Castle, Cheribon
1,500 bgs, National Adhesive Corp, Thurland Castle, Cheribon
550 bgs, Rutger, Bleecker & Co, Thurland Castle, Cheribon
3,001 bgs, Stein, Hall & Co, Thurland Castle, Batavia
280 bgs, Java-American Export Co, Thurland Castle, Pasoeroean
500 bgs, Java-American Export Co, Thurland Castle, Batavia
125 bgs, Catz American Co, Fairfield City, Batavia
250 bgs, Rutger, Bleecker & Co, Fairfield City, Batavia
1,005 bgs, Stein, Hall & Co, Fairfield City, Batavia
786 bgs, Stein, Hall & Co, Fairfield City, Cheribon
500 bgs, Stein, Hall & Co, Fairfield City, Tegal
548 bgs, American Cyanamid & Chem Co, Siamese Prince, Cheribon
1,000 bgs, Stein, Hall & Co, Siamese Prince, Batavia
1 pkg, Perkins Glue Co, Siamese Prince, Cheribon
1,700 bgs, G W Rueff, Siamese Prince, Batavia
PEARL—138 bgs, Catz American Co, Siamese Prince, Batavia
250 bgs, Catz American Co, Siamese Prince, Cheribon
SEED—108 bgs, Siamese Prince, Batavia
57 bgs, Catz American Co, Siamese Prince, Batavia
50 bgs, Catz American Co, Siamese Prince, Cheribon
SIFTINGS—55 bgs, Catz American Co, Siamese Prince, Batavia
TARTAR—995 bgs, C Pfizer & Co, Estrella, Marseilles
TEAWASTE—829 bgs, Citro Chemical Co, Alaunia, London
2,981 bgs, Citro Chemical Co, Urbino, Calcutta
TEMPERING COMP—55 dms, Ore & Chemical Corp, Deutschland, Hamburg
THYME LEAVES—27 bls, Estrella, Marseilles
TOLU BALSAM—25 cs, Wessel, Duval & Co, Santa Rosa, Porto Colombia
TONKA BEANS—60 bbls, Machado & Co, Swinburne, Para
TRICRESOL—2 cs, Sherka Chemical Co, Deutschland, Hamburg
TUBA ROOT—49 bls, Thurland Castle, Singapore
VALONIA BEARD—741 bgs, Examelia, Izmir
VANADIUM—4,906 bgs, Vanadium Corp, Santa Inez, Callao
VANILLA BEANS—24 cs, French Line, Normandie, Havre
1 cs, Rene Moelhausen, Nerissa, Guadeloupe
48 cs, Catz American Co, Siamese Prince, Batavia
23 cs, Siamese Prince, Batavia
VIOLET LEAVES—13 bls, P H Petry & Co, Estrella, Marseilles
MINERAL—10 dms, E I Du Pont de Nemours & Co, Statendam, Rotterdam
ULTRAMARINE—1 ck, Calco Chemical Co, Statendam, Rotterdam
WATER, MINERAL—705 cs, Rohner, Gehrig & Co, Black Hawk, Rotterdam
370 cs, Alaunia, London
1,400 cs, E & J Burke, Estrella, Marseilles
WAX—2 pkgs, Paul Pertuch & Co, Cape Howe, Para
BEES—6 bgs, D Steengrafe, Angelina, San Juan
80 bgs, Brazil, Santos
CANDELILLA—375 bgs, M Argueso & Co, Agwistar, Tampico
CARNAUBA—72 bgs, Chase Natl Bank, Swinburne, Bahia
56 bgs, W R Grace & Co, Swinburne, Fortaleza
223 bgs, Smith & Nichols, Swinburne, Fortaleza
149 bgs, American Cyanamid & Chem Co, Swinburne, Fortaleza
112 bgs, Wessel, Duval & Co, Swinburne, Fortaleza
112 bgs, Strahl & Pitsch, Swinburne, Fortaleza
56 bgs, Lenape Trading Co, Swinburne, Fortaleza
56 bgs, Brown Bros-Harriman Co, Swinburne, Fortaleza
123 bgs, Strohmeyer & Arpe Co, Swinburne, Fortaleza
202 bgs, Wm M Allison & Co, Swinburne, Fortaleza
56 bgs, Bank of London-South America, Swinburne, Fortaleza
479 bgs, Swinburne, Fortaleza
22 bgs, W M Allison & Co, Cape Howe, Bahia
33 bgs, W R Grace & Co, Cape Howe, Natal
63 bgs, Brown Bros-Harriman Co, Cape Howe, Parnahyba
126 bgs, Chase Natl Bank, Cape Howe, Parnahyba
125 bgs, W M Allison & Co, Cape Howe, Parnahyba
63 bgs, Smith & Nichols, Cape Howe, Parnahyba
63 bgs, Strohmeyer & Arpe Co, Cape Howe, Parnahyba
63 bgs, Strahl & Pitsch, Cape Howe, Parnahyba
38 bgs, Cape Howe, Parnahyba
56 bgs, Chase Natl Bank, Cape Howe, Ceara
56 bgs, Strohmeyer & Arpe Co, Cape Howe, Ceara
168 bgs, Bank of London South America, Cape Howe, Ceara
WAX, CARNAUBA—50 bgs, Wm M Allison & Co, Cape Howe, Ceara
207 bgs, S C Johnson, Cape Howe, Ceara
358 bgs, Cape Howe, Ceara
VEGETABLE—50 bgs, Mecke & Co, Quirigua, Cristobal
4 cs, F B Vandegrift & Co, Samaria, Liverpool
200 cs, Smith & Nichols, Yamakaze, Kobe
100 cs, H H Rosenthal Co, Aobasan, Kobe
300 cs, Mitsui & Co, Aobasan, Kobe
2 cs, Mitsui & Co, Aobasan, Yokohama
WHITING—1,100 bgs, Henri Jasper, Antwerp
1,000 bgs, Nicholas H Wertzner, Black Gull, Antwerp
WOLFRAM ORE—500 bgs, Wah Chang Trading Corp, Tweedbank, Hongkong
WOODFLOUR—1,300 bgs, Burnet Co, Mormactide, Kotka
1,250 bgs, Deutschland, Hamburg
YEAST—1 cs, Europa, Bremen
60 bbls, Vulcan Yeast Co, Deutschland, Hamburg
ZINC OXIDE—5 bgs, Yardley & Co, Alaunia, London
70 bbls, Orbis Product Corp, Estrella, Marseilles

## New York Transit Imports

BARK EXTRACT, POWD—5 cs, Eastman Kodak Co, Samaria, Liverpool, Rochester
BRISTLES—30 cs, Wooster Brush Co, Kiyokava, Tientsin, Wooster, Ohio
COLORS, EARTH—60 cks, Standard Ultramarine Co, Black Gull, Antwerp, Huntington
ERGOT—10 cs, Eli Lilly & Co, Tonsbergfjord, London, Indianapolis
GELATIN—1 cs, American Express Co, Europa, Bremen, Rochester
MENTHOL — 20 cs, McKesson & Robbins, Yamakaze, Kobe, Bridgeport
90 cs, McKesson & Robbins, Kiyokawa, Kobe, Bridgeport
MOLASSES—495,000 gls, Com'l Molasses Corp, Comol Cuba, Sagua La Grande. Albany
703,885 gls, Com'l Molasses Corp, Comol Cuba, Caibarien, Albany
OIL, CASHEW SHELL—227 dms, Harvel Research Corp, Nordvest, Bombay, Irvington
CHINAWOOD—643 tins, 19 cwt, 3 qtrs, 56 lbs, W G Smith Co, Siamese Prince, Hongkong, Cleveland
SESAME—223,482 kilos, Durkee Famous Food, Black Hawk, Rotterdam, Chicago
PAPRIKA—25 bgs, Gallagher & Ascher, Manhattan, Hamburg, Chicago
50 bgs, Frank Tea & Spice Co, Manhattan, Hamburg, Cincinnati
PYRETHRUM FLOWERS—25 bls, Hammond Paint & Chem Co, Yamakaze, Yokohama, Beacon
125 bls, Lusk Shipping Co, Yamakaze, Yohama, Freeport, Ill
250 bls, Lusk Shipping Co, Kiyokawa, Kobe, Freeport, Ill
ROSIN—6 cs, Parke, Davis & Co, Birmania, Trieste, Detroit
VANILLA BEANS—6 cs, Normandie, Havre, Chicago

## Baltimore Imports

CHEMICALS—350 csks, Breedijk, Rotterdam
CLAY—300 csks, Breedijk, Rotterdam
POWDERED—74 csks, Breedijk, Rotterdam
COLOR, DRY—1 cs, Artigas, Liverpool
FERROMANGANESE — 1,478 tons, Breedijk, Rotterdam
IRON ORE—10,500 tons, Bethlehem Steel Co. Cubore, Daiquiri
MANGANESE ORE—4,500 tons, Balla, Santiago
1,000 tons, City of Mobile, Calcutta
PYRETHRUM FLOWERS—50 bls, West Isleta, Mombasa
WATTLE BARK EXTRACT—381 bgs, West Isleta, Durban

## Boston Imports

ACID, PEANUT OIL—133 dms, Breedijk, Rotterdam
STEARIC—289 bgs, 44,994 lbs, Black Hawk, Antwerp
AMMONIA PHOSPHATE—1,997,368 lbs, Sneland Island, Antwerp
ANTIMONY, SULPHIDE—10 cks, 1 ton, 5 cwt, 2 qtrs, 10 lbs, Wishnick-Tumpeer, Samaria, Liverpool
BARYTES—200 bgs, 22,046 lbs, Stanley Doggett, Birmania, Genoa
200 bgs, 22,046 lbs, Birmania, Venice
CHEMICALS—57 bgs, 11,400 lbs, Black Hawk, Antwerp
40 dms, 22,928 lbs, Philipp Bros, Black Hawk, Antwerp
150 bgs, Breedijk, Rotterdam
COCOA BEANS—2,000 bgs, 264,552 lbs, W R Grace & Co, Rio Verde, Bahia
6,000 bgs, 793,656 lbs, Wessels Kulenkampff & Co, Rio Verde, Bahia
1,856 bgs, Breedijk, Rotterdam
EMERY FILLET—1 cs, John Hetherington & Sons, Samaria, Liverpool
FERTILIZER—1,361 bgs, 303,046 lbs, Sneland Island, Antwerp
FISH LIVERS — 6 crtns, General Seafoods Corp, Nova Scotia, Halifax
21 cs, from Nova Scotia
MEAL—1,000 bgs, 100,000 lbs, Wessel, Duval & Co, Kiyosumi, Kobe
GAMBIER, CUBE—140 bgs, Littlejohn & Co, Siamese Prince, Singapore
GELATIN—245 bgs, 27,546 lbs, Rob D McLellan, Black Hawk, Rotterdam
GLASS, SHEET—107 cs, 34,306 lbs, Petrocelli, Beusse & Rogers, Black Hawk, Antwerp
GLUESTOCK, FISH — 107 bxs, 3 bbls, J R Poole Co, Yarmouth, Yarmouth
2 bbls, R H Rannagan, Yarmouth, Yarmouth
HIDE—260 bgs, 20 tons, 1 cwt, 1 qtr, 23 lbs, First National Bank, Samaria, Liverpool
184 bgs, First National Bank, Nova Scotia, Liverpool
295 bgs, E Butterworth, Nova Scotia, Liverpool
337 bgs, American Shipper, Manchester
130 bgs, American Express Co, American Shipper, Liverpool
GUM—5 bgs, 992 lbs, Linden & Co, Black Hawk, Rotterdam
HERBS, MEDICINAL—66 bls, 10,465 lbs, Black Hawk, Rotterdam
IRON, OXIDE—5 csks, McLaughlin & Freeman, Nova Scotia, Liverpool
MAGNESITE, CALC—40 bbls, 25,946 lbs. Innis, Speiden & Co, Black Hawk, Rotterdam
MEDICINAL PREPS—10 cs, United Drug Co, Samaria, Liverpool
MUSTARD SEED—150 bgs, Stickney & Poor Spice Co, Breedijk, Rotterdam
NAPHTHALENE—2,012 bgs, 449,110 lbs, Black Hawk, Rotterdam
OIL, COCONUT—474 tons, First National Bank, Siamese Prince, Manila
COD—6 dms, Phil Murphy, Nova Scotia, St John's, N F
75 csks, 25 dms, F W Damon, Nova Scotia, St John's, N F
200 csks, Marden Wild Corp, Nova Scotia, St John's, N F
50 csks, Bowring & Co, Nova Scotia, St Johns, N F
377 bbls, Marden Wild Corp, Anna D, Halifax
11 bbls, R S Hamilton, Anna D, Halifax
CODLIVER—220 dms, Mead, Johnson & Co, Nova Scotia, St John's, N F

OSSEIN—291 bgs, 45,389 lbs, Black Hawk, Antwerp
1,000 bgs, 111,993 lbs, J O Whitten & Co, Black Hawk, Antwerp
1,000 bgs, 101,764 lbs, Atlantic Gelatine Co, Black Hawk, Antwerp
PEATMOSS—1,000 bls, Premier Peatmoss Corp, Breedijk, Rotterdam
POTASH, MURIATE—198,414 lbs, First National Bank, Black Hawk, Antwerp
1,300 bgs, 129,998 lbs, First National Bank, Black Hawk, Antwerp
SULPHATE—2,000 bgs, 399,994 lbs, First National Bank, Black Hawk, Antwerp
SAGO FLOUR—1,483 bgs, Arnold Hoffman & Co, Fairfield City, Singapore
SHELLAC—20 cs, J Henry Schroeder Banking Corp, Breedijk, Rotterdam
SEEDLAC—450 bgs, Philadelphia National Bank, Urbino, Calcutta
200 bgs, First National Bank, Urbino, Calcutta
SOAP, TOILET—1 cs, Jordan Marsh Co, American Shipper, Liverpool
SODA, HYDROSULPHITE—20 kgs, Lever Bros, Nova Scotia, Liverpool
25 kgs, 2 tons, 14 cwt, 2 qtrs, 21 lbs, Philipp Bros, Samaria, Liverpool
STARCH, CHEMICALLY TREATED—200 bgs, 29,762 lbs, Linder & Co, Black Hawk, Rotterdam
20 bgs, Breedijk, Rotterdam
POTATO—500 bgs, 110,230 lbs, Black Hawk, Rotterdam
200 bgs, Arnold, Hoffman & Co, Breedijk, Rotterdam
TALC—200 bgs 44,092 lbs, Charles Mathieu, Birmania, Genoa
250 bgs, 55,115 lbs, Whittaker, Clark & Daniels, Birmania, Genoa
400 bgs, Seeldner Heyman Co, Nordvest, Bombay
TAPIOCA FLOUR—500 bgs, Stein, Hall & Co, Fairfield City, Batavia
2,203 bgs, Stein, Hall & Co, Fairfield City, Cheribon
1,103 bgs, Minute Tapico Co, Siamese Prince, Pasoeroean
375 bgs, Philadelphia National Bank, Siamese Prince, Cheribon
WATER, MINERAL—75 cs, 13,891 lbs, Stone & Downer, Black Hawk, Rotterdam
WAX, VEGETABLE—100 cs, Irving M Sobin Co, Kiyosumi, Moji

## Galveston Imports

SULPHUR, CARBIDE, CRUDE—770 bgs, El Mundo, New York

## Houston Imports

BONE MEAL—1,120 bgs, Winston Salem, Hamburg
1,100 bgs, Augsburg, Hamburg
HOPS—50 bls, Augsburg, Hamburg
OIL, LUBRICATING—50 dms, Winston Salem, Hamburg
PEATMOSS—500 bls, Winston Salem, Bremen
600 bls, Augsburg, Hamburg
PEPPER—110 bgs, Winston Salem, Hamburg
PETROLEUM, CRUDE—94,633 bbls, Pericles, Tuxpam

## Los Angeles Imports

ALUMINUM SILICATE ORE—96,320 lbs, Madoera, Calcutta
AMMONIA, PHOSPHATE—2,400 bgs, 239,680 lbs, Rosebank, Trail
SILICOFLUORIDE — 4,410 lbs, Dinteldijk, Rotterdam
SULPHATE—1,600 bgs, 159,040 lbs, Rosebank, Trail
ANTIMONY ORE—85,000 lbs, from Mexico
BABASSU KERNELS—12 bgs, 1,580 lbs, from Santos
5,500 bgs, 727,520 lbs, Brandanger, Maranhao
BONE FLOUR—545 pkgs, 62,720 lbs, Donau, Bremen
CHEMICAL COMP—1,140 lbs, Kiyokawa, Yokohama
110 lbs, Dinteldijk, Bristol
SALT—6,720 lbs, Tai Ping Yang, Hongkong
CHILLIES—50 bgs, 3,000 lbs, Yamakaze, Kobe
100 bgs, 10,000 lbs, Florida, Kobe
CHINA CLAY—127,680 lbs, Dinteldijk, Plymouth
CLAY, BALL—107,520 lbs, Dinteldijk, Plymouth
COCONUT DESIC—145 cs, 18,450 lbs, Tai Ping Yang, Phil Islands
4,799 cs, 645,640 lbs, Tai Ping Yang, Manila
121 cs, 14,950 lbs, Madoera, Manila
COCONUTS—50 bgs, 70,000 lbs, from Kingston
COLORS, ARTIST'S—680 lbs, Dinteldijk, London
COPRA MEAL—24,480 bgs, 2,448,000 lbs, Madoera, Manila
GLASS, SHEET—16 cs, 7,050 lbs, Wyoming, Brussels
GUM, COPAL—60 bgs, 11,740 lbs, Madoera, Macassar
ELEMI—25 cs, 2,590 lbs, Tai Ping Yang, Manila
GYPSUM—7,392,000 lbs, Griffco, San Marcos
HEMPSEED MEAL—2,526 bgs, 252,600 lbs, Florida, Kobe
LAC, CRUDE—30 bgs, 4,920 lbs, Madoera, Calcutta
MEDICINAL PREPS—280 lbs, Kiyokawa, Kobe
OIL, COTTONSEED—1,120 dms, 448,000 lbs, Hopecrest, Tientsin
LAVENDER—220 lbs, Wyoming, Lyon
SESAME—22 dms, 8,890 lbs, Tai Ping Yang, Hongkong
PEATMOSS—950 bls, 145,600 lbs, Dinteldijk, Rotterdam
186 pkgs, 17,920 lbs, Estes, Bremen
PERFUMERY—6 lbs, from Paris
POPPYSEED—150 bgs, 16,350 lbs, Dinteldijk, Haarlem
RAPESEED—30 bgs, 10,910 lbs, from Warsaw
RICE FLOUR—300 lbs, Aobasan, Yokohama
SAGO FLOUR—143 bgs, 22,510 lbs, Madoera, Singapore
SEAWEEDS—200 lbs, Kiyokawa, Yokohama
2,500 lbs, Yamakaza, Tokio
SESAME SEED—100 bgs, 2,000 lbs, Tai Ping Yang, Hongkong
50 bgs, 10,000 lbs, Tai Ping Yang, Hongkong
SOAP, TOILET—1,500 lbs, from London
STARCHES—240 lbs, Aobasan, Kobe
TANKAGE—230 bgs, 23,000 lbs, Hauraki, Sydney
TAPIOCA FLOUR—100 bgs, 22,000 lbs, Madoera, Batavia
TOILET PREPS—370 lbs, from London
300 lbs, Yamakaze, Tokio
60 lbs, Aobasan, Kobe
WAX—2,240 lbs, Yamakaze, Kobe
YEAST—1,120 lbs, Dinteldijk, London

## Mobile Imports

BAUXITE ORE, CRSHD & DRIED — 3,405 tons, Chr J Kampmann, Paramaribo
MANGANESE ORE—3,300 tons, Spind, Santiago

## New Orleans Imports

BAUXITE ORE—2,262 tons, Aluminum Ore Co, Dalvangen, Paramaribo
2,537 tons, Aluminum Ore Co, Asturias, Paramaribo
CHEMICALS—250 sks, Hanover, Rotterdam
250 sks, West Gambo, Rotterdam
COCOA BEANS—900 sks, Fruit Dispatch Co, Santa Marta, Bocas del Toro
COCONUTS—190 sks, Standard Fruit & S S Co, Contessa, Celba
COCONUT, DESIC—200 cs, Dodwell & Co, Ermland, Manila
COPRA—400 tons, Procter & Gamble, Ermland, Zamboanga
2,441 tons, Procter & Gamble, Ermland, Cebu
425 tons, Procter & Gamble, Ermland, Bulan
EARTH, INFUSORIAL—3,872 sks, Campeche, Vera Cruz
LIME, HYDRATED—4,536 sks, United Fruit Co, Duquesne, Bremen
OCHER—200 sks, Reichard-Coulston, Arsa, Marseilles
900 sks, Geo Wm Rueff, Arsa, Marseilles
250 sks, 30 bbls, W L Richeson, Arsa, Marseilles
OIL, CODLIVER—120 dms, Duquesne, Hamburg
CREOSOTE—2,502 tons, Bermuth Lembcke Co, Wellfield, Middlesbrough
LUBRICATING—125 dms, West Gambo, Antwerp
OLIVE—25 dms, Whitney Bank, Maria, Palermo
25 dms, Arsa, Marseilles
PEATMOSS—800 bls, Premier Peat Moss Corp, Leerdam, Rotterdam
1,000 bls, Leerdam, Rotterdam
9,125 bls, Peat Import Corp, Duquesne, Bremen
POTASH KAINIT—455,000 kilos, First National Bank, Indiana, Antwerp
MURIATE — 909,000 kilos, First National Bank, Indiana, Antwerp
SULPHATE—3,600 sks, First National Bank, Indiana, Antwerp
PYRETHRUM FLOWERS—250 bls, Norton, Lilly & Co, Dalvangen, Port of Spain
ROSIN—17 dms, West Gambo, Rotterdam

## Norfolk Imports

OIL, CREOSOTE—725,000 gls, Carina, Antwerp
FUEL—60,000 bbls, Standard Oil Co of N J, Phoebus, Aruba
SODA, NITRATE—7,740 tons, Chilean Nitrate Sales Corp, Ingerseks, Tocopilla, Chile

## Philadelphia Imports

ANTIMONY REGULUS — 200 cs, Tai Ping, Hongkong
CHROME ORE—3,169.12 tons, Cuba de Minas, Astra, Nuevitas
CLAY—35 tons, Boston City, Bristol
130 tons, English China Clay Sales Corp, Boston City, Bristol
COCONUT, DESIC—186 cs, Dodwell & Co, Tai Ping, Manila
450 cs, Balfour, Guthrie & Co, Tai Ping, Manila
CORIANDER SEED—200 bgs, R T French Co, Examiner, Casablanca
CORK, REFUSE—19,747 bls, Cork Insulation Co, Bornholm, Lisbon
VIRGIN—359 bls, Cork Insulation Co, Bornholm, Lisbon
2,148 bls, Armstrong Cork Co, Examiner, Casablanca
WASTE—1,431 bls, Cork Insulation Co, Bornholm, Lisbon
2,000 bls, Armstrong Cork Co, Nicolo Odero, Algiers
WOOD—1,240 bls, Examiner, Seville
4,037 bls, Armstrong Cork Co, Nicolo Odero, Tabarka
9,756 bls, Armstrong Cork Co, Nicolo Odero, Bona
FERROMANGANESE — 355,000 kilos, Vigrid, Gdynia
300 tons, E A Tutein & Co, Laura C, Sibenik
GLYCERIN—99 dms, Swift & Co, Mormacrio, Buenos Aires
IRON ORE—1,500 tons, Frank C Strick Co, Armanistan, Busreh
LICORICE ROOT — 680 tons, Tannin Corp, Fernmoor, Alexandretta
MAGNESITE—17,239 bgs, Harbison Walker Refractories Co, Laura C, Trieste
MINERALS—100 bgs, Harbison-Walker Refractories Co, Toronto, Oslo
OIL, COD—15 dms, Approved Products Co, Toronto, Aalesund
15 dms, Certified Laboratories, Toronto, Aalesund
100 dms, Allen Forwarding Co, Toronto, Bergen
50 dms, J A McCarthy, Toronto, Bergen
FUEL—3,135,614 gls, Socony Vacuum Oil Co, Clio, Aruba
OLIVE—1 bbl, Laura C, Catania
15 cs, Laura C, Catania
200 cs, Felix Spatola & Sons, Birmania, Genoa
20 cs, Cooper Supply Co, Birmania, Genoa
OLIVE SULPHUR—79 dms, Examiner, Lisbon
OXIDE, RED—628 bbls, F B Vandegrift & Co, Examiner, Malaga
PETROLEUM, CRUDE—78,921 bbls, Gulf Oil Corp, Adellen, Las Piedras
115,048 bbls, Gulf Oil Corp, Gulfhawk, Guiria
106,236 bbls, Gulf Oil Corp, Gulfbird, Las Piedras
PYRITES ORE—7,453 tons, Thistlebrae, Huelva
QUEBRACHO EXTRACT—1,500 bgs, International Products, Mormacrio, Buenos Aires
1,200 bgs, Tannin Corp, Mormacrio, Buenos Aires
TALC—600 bgs, Tai Ping, Kobe
TANKAGE—1,500 bgs, Mormacrio, Santos
TITANIUM ORE—250 bgs, Mormacrio, Santos

## San Francisco Imports

ALCOHOL—50 dms, Bank of California, N A, Bengkalis, Manila
BLEACHING POWDER—125 dms, American Import Co, Este, Antwerp
CENTAURY—2 sks, Natures Herb Co, Seattle, Hamburg
CHEMICALS—20 cks, Ernst W C Toepfer, Donau, Hamburg
1 cs, Sherman T Blake Co, Donau, Hamburg
67 sks, Innis Speiden & Co, Donau, Hamburg (for Oakland)
1 cs, Sherman T Blake Co, Seattle, Hamburg
16 cs, Braun-Knecht-Heimann Co, Seattle, Antwerp
CLOVER LEAVES—2 bgs, Natures Herb Co, Seattle, Hamburg
COCOA BEANS—200 sks, Vandel Commercial Co, Este, Cristobal
COCONUT, DESIC — 30 cs, M S Cowen Co, Bengkalis, Manila
350 cs, J E Lowden, Bengkalis, Manila
COLOR, EARTH—15 cks, L H Butcher Co, Donau, Bremen
COPRA—1,200 tons, El Dorado Oil Works, Germa, Zamboanga (for Oakland)
331 tons, El Dorado Oil Works, Germa, Iloilo (for Oakland)
1,078 tons, El Dorado Oil Works, Germa, Tacloban (for Oakland)
1,690 tons, El Dorado Oil Works, Germa, Borongan (for Oakland)
COLTSFOOT LEAVES—2 bgs, Natures Herb Co, Seattle, Hamburg
FERTILIZER, CHEMICAL—800 sks, Wilson & George Meyer & Co, Donau, Antwerp
200 sks, Wilson & George Meyer & Co, Donau, Antwerp (for Oakland)
Quantity, Wilson & George Meyer & Co, Este, Antwerp (for Oakland)
FISH MEAL—90 cs, Nippon Co, Kiyokawa, Yokohama
GLASS, WINDOW — 15 cs, Pacific National Bank, Donau, Antwerp
320 cs, H B Mills Co, Seattle, Antwerp
6 cs, Newman McWilliams Glass Co, Seattle, Antwerp
16 cs, Pacific Reliance, Manchester
GROUND AND FROSTED—3 cs, Newman McWilliams Glass Co, Seattle, Antwerp
GUM, COPAL—240 bkts, Henry W Peabody & Co, Bengkalis, Macassar
70 bkts, Bengkalis, Singapore
HEMPSEED—400 sks, Albert Dickinson Co, Kiyokawa, Dairen
HOPS—20 bls, Acme Breweries, Este, Hamburg
HYPERICUM—1 sk, Natures Herb Co, Seattle, Hamburg
INK, PRINTING—2 bls, Bank of America, Este, Hamburg
MEDICINAL PREPS—3 cs, North American Mercantile Co, Aobasan, Yokohama
1 cs, Mutual Supply Co, Kiyokawa, Kobe
3 cs, Pacific Trading Co, Kiyokawa, Kobe
1 cs, F M Nonaka & Co, Kiyokawa, Yokohama
MISTLETOE—1 bg, Natures Herb Co, Seattle, Hamburg
NUTMEGS—66 sks, B C Ireland, Bengkalis, Banda
OIL, CITRONELLA—11 dms, Bengkalis, Batavia (for Oakland)
COCONUT, CRUDE—715 tons, Philippine Refining Corpn of N Y, Bengkalis, Manila
LUBRICATING—65 dms, Standard Oil Co of Calif, Este, Antwerp
SHARK—9 dms, Roma & Co, Donau, Mazatlan
PALMKERNELS—1,000 sks, Bengkalis, Singapore
PEANUT MEAL—1,000 sks, Balfour, Guthrie & Co, Kiyokawa, Tsingtao
1,000 sks, Durkee Famous Foods, Kiyokawa, Tsingtao
PEATMOSS—1,850 bls, Peat Import Corpn, Donau, Bremen (for Oakland)
1,950 bls, Peat Import Corpn, Este, Bremen (for Oakland)
PEPPER, BLACK—1,245 sks, Bengkalis, Oosthaven
WHITE—300 sks, Bengkalis, Pangkal Pinang
PLANTAIN LEAVES—10 sks, Natures Herb Co, Seattle, Hamburg
POTASH CHLORATE, POWD—250 dms, Uniform Chemical Products, Este, Hamburg (for Oakland)
SULPHATE—5,600 sks, Wilson & George Meyer & Co, Donau, Bremen
6,880 sks, Wilson & George Meyer & Co, Donau, Bremen (for Oakland)
PYRETHRUM FLOWERS—330 bls, Mitsui & Co, Aabasan, Kobe
RICE—1 sk, Natures Herb Co, Seattle, Hamburg
SESAME SEED—2,895 sks, Bank of California, Baja California, Mazatlan
230 sks, Baja California, Mazatlan
SODA SULPHITE—25 dms, Braun-Knecht-Heimann Co, Seattle, Hamburg
STARWORT—1 sk, Natures Herb Co, Seattle, Hamburg
TAPIOCA FLOUR—25 sks, Bank of New York, Bengkalis, Cheribon (for Oakland)
367 sks, Bank of New York, Bengkalis, Batavia
130 sks, Bengkalis, Batavia
SEED—35 sks, Bengkalis, Batavia
TOILET PREPS—2 cs, North American Mercantile Co, Aobasan, Yokohama
VIOLA—1 sk, Natures Herb Co, Seattle, Hamburg
WAX, BEES—40 cs, Alexander T Cathcart, Donau, Mazatlan
SKI—2 cs, A G Spalding & Bros, Donau, Antwerp
WOOD, STRAWBERRY—1 bg, Natures Herb Co, Seattle, Hamburg
WORMWOOD—1 bg, Natures Herb Co, Seattle, Hamburg

## Savannah Imports

AMMONIA SULPHATE—quantity, Tulsa, Rotterdam
CALCIUM NITRATE—200 bgs, Tabor, Kotka
1,007,000 kilos, Tabor, Kotka
22 tons, Tabor, Kotka
GYPSUM, ROCK—2,630 tons, Christian Krohg, Dingwell
2,150 tons, Sekstant, Dingwell
OIL, PALM—975 tons, Glaucus, Belawan Deli
POTASH MURIATE—quantity, Tulsa, Antwerp
SULPHATE—4,150 bgs, Tulsa, Antwerp
ROSIN SIZE—10 dms, Tulsa, Rotterdam
STARCH, POTATO—1,500 bgs, Tulsa, Rotterdam
TAPIOCA FLOUR—2,260 bgs, Glaucus, Belawan Deli

## Tampa Imports

BONE MEAL—1,110 bgs, Maria, Yugoslavia
2,240 bgs, Maria, Roumania
EARTH, INFUSORIAL—2,000 sks, Campeche, Vera Cruz

# Exports from U.S. Ports

## New York Exports

### Clearance Dates

American Trader, December 9; Antigua, December 3; Aquitania, December 10; Aurania, December 8; Batory, December 10; Belvedere, December 15; Borinquen, December 8; Carinthia, November 26; Champlain, December 2; City of Khios, December 10; Georgic, December 10; Gerolstein, December 5; Hamburg, December 6; Havana, December 9; Ingria, December 9; Leif, December 8; Manhattan, November 30; Musa, December 1; Noordam, December 19; Oriente, December 14; Platano, December 8; Potter, December 15; President Roosevelt, December 7; Santa Paula, December 15; Santa Rosa, December 8; Steel Ranger, November 21; Scanmail, December 10; Talamanca, December 3; Tana, December 1; Western Prince, December 13

ACETONE—824 lbs, Scanmail, Stockholm; 24,720 lbs, American Trader, London
ACID, ACETIC, GLACIAL—32,115 lbs, Havana, Vera Cruz
CITRIC—125 lbs, Antigua, Porto Barrios
MURIATIC — 8,494 lbs, Leif, La Romana; 3,700 lbs, Antigua, Porto Cortes
NITRIC—5,142 lbs, Oriente, Havana
PHOSPHORIC—21,640 lbs, Western Prince, Buenos Aires
SULPHURIC—1,346 lbs, Leif, Ciudad
TARTARIC—228 lbs, Antigua, Porto Barrios
ALCOHOL, DEN—2,750 gls, Santa Paula, Cartagena
ALUMINA, ACTIVATED—3,288 lbs, Georgic, Liverpool
ASPHALT—190,842 lbs, City of Khios, Madras; 87,245 lbs, Santa Rosa, La Guaira; 11,899 lbs, Leif, Ciudad; (Tana) 30,186 lbs, Porto Alegre; 26,475 lbs, Pelotas; 30,051 lbs, President Roosevelt, Havre
LIQUID—(President Roosevelt) 11,332 lbs, Southampton; 34,006 lbs, Hamburg
SOLID—63,650 lbs, Georgic, Liverpool
BLUE, LAUNDRY—2,501 lbs, Talamanca, Limon
CALCIUM CHLORIDE—13,000 lbs, Oriente, Havana
PHOSPHATE—2,685 lbs, Noordam, Rotterdam
CARBON BISULPHIDE—(Platano) 6,027 lbs, Port Limon; 2,280 lbs, San Juan del Sur
CHALK, PRECIP—2,020 lbs, Noordam, Amsterdam
CHEMICALS—10,795 lbs, American Trader, London; (Scanmail) 29,301 lbs, Stockholm; 3,006 lbs, Norrkoping
CHLORINE, LIQ—3,931 lbs, Platano, La Libertad
CLAY—20,400 lbs, Hamburg, Hamburg
COALTAR—4,240 lbs, Oriente, Havana
INTERMEDIATES—3,063 lbs, Aurania, London
CORN FLOUR—1,032 lbs, Musa, Amapala; 246 lbs, Antigua, Porto Barrios
SUGAR—10,150 lbs, Noordam, Rotterdam-Amsterdam; 689 lbs, Antigua, Porto Barrios
SYRUP—(City of Khios) 75,110 lbs, Karachi; 24,020 lbs, Bombay; 150 lbs, Calicut; 930 lbs, Rangoon; 8,658 lbs, Antigua, Porto Barrios; 75,510 lbs, Steel Ranger, Bombay
DENTIFRICES—15,800 lbs, Noordam, Amsterdam
DEXTRIN, CORN—7,050 lbs, City of Khios, Bharnagar
DICHLORODIFLUOROMETHANE—1,073 lbs, Scanmail, Helsingfors; 2,147 lbs, President Roosevelt, Southampton
DISINFECTANT—1,560 lbs, Musa, La Libertad; 2,140 lbs, Platano, Mazatlan
COALTAR—1,050 lbs, Musa, Santa Marta; 3,181 lbs, Talamanca, Havana; 2,644 lbs, Antigua, Porto Barrios
DRUGS—2,977 lbs, American Trader, London; 1,281 lbs, Hamburg
DYES—42,665 lbs, Western Prince, Buenos Aires; 7,427 lbs, Noordam, Rotterdam; 12,687 lbs, Ingria, Oporto
ETHYL FLUID—660 gls, City of Khios, Port Said
FURFURAL—16,494 lbs, Belvedere, Genoa
GASOLINE—(Leif) 500 gls, Porto Plata; 1,050 gls, Ciudad
GELATIN—282 lbs, Talamanca, Havana; 965 lbs, Georgic, Liverpool
GLASS, PLATE—3,530 lbs, Antigua, Porto Barrios
GLUCOSE—4,140 lbs, City of Khios, Madras
SOLID—(City of Khios) 1,502 lbs, Delhi; 3,525 lbs, Bombay; 450 lbs, Calicut; 2,100 lbs, Calcutta
GLYCERIN—2,411 lbs, President Roosevelt, London
GREASE, LUBRICATING—6,420 lbs, Scanmail, Stockholm; 28,496 lbs, American Trader, London; 2,580 lbs, Noordam, Amsterdam; (Ingria) 896 lbs, Leixoes; 28,844 lbs, Oporto; 18,282 lbs, Lisbon; 1,804 lbs, Casablanca; (City of Khios) 14,172 lbs, Karachi; 44,885 lbs, Bombay; 2,520 lbs, Colombo; 347 lbs, Calcutta; (Manhattan) 18,155 lbs, Havre; 6,646 lbs, Hamburg; 69,890 lbs, Aurania, London; 65,310 lbs, Carinthia, London; (Gerolstein) 1,667 lbs, Rotterdam; 1,371 lbs, Amsterdam; 5,015 lbs, Zurich; 2,580 lbs, Antwerp; (Steel Ranger) 4,840 lbs, Calcutta; 2,210 lbs, Madras; 2,642 lbs, Bombay-Calcutta; 121,865 lbs, Georgic, Liverpool; (President Roosevelt) 16,473 lbs, Southampton; 5,769 lbs, Havre; 27,483 lbs, Hamburg; 15,260 lbs, Oriente, Havana
INSECTICIDE—75,050 lbs, City of Khios, Izmir
AGRICULTURAL — 1,120 lbs, American Trader, London
IRON OXIDE—12,430 lbs, Noordam, Amsterdam; 11,760 lbs, Belvedere, Genoa
LACQUER—2,760 lbs, Scanmail, Gothenburg
LARD—68,930 lbs, Scanmail, Czechoslovakia; 111,125 lbs, American Trader, London; 6,350 lbs, Aquitania, Southampton; 11,750 lbs, Leif, San Pedro; 55,000 lbs, Santa Rosa, La Guaira; 94,500 lbs, Aurania, London; 41,350 lbs, Carinthia, London; 29,400 lbs, Talamanca, Havana; 169,013 lbs, Georgic, Liverpool; (President Roosevelt) 6,174 lbs, Hamburg; 15,637 lbs, Viipuri
LEAD, ARSENATE—2,100 lbs, Talamanca, Havana
RED—6,012 lbs, Western Prince, Buenos Aires
WHITE—59,151 lbs, Noordam, Amsterdam
LINSEED CAKE—445,633 lbs, Noordam, Rotterdam; 671,313 lbs, Manhattan, Havre
LITHARGE — 26,880 lbs, Western Prince, Buenos Aires
MAGNESIA CHLORIDE—24,010 lbs, Carinthia, Southampton
MOLYBDENUM CONC—1,461,664 lbs, Scanmail, Beloostrov; 58,905 lbs, Belvedere, Genoa
NAPHTHA—5,500 gls, Ingria, Lisbon
OIL, CASTOR—102 lbs, Platano, Port Limon; (Musa) 102 lbs, Panama; 306 lbs, Corinto; 510 lbs, La Union; 15,950 lbs, President Roosevelt, Southampton
CORN—602 lbs, City of Khios, Calcutta; (Santa Paula) 5,070 lbs, Curacao; 3,390 lbs, Aruba
EDIBLE—2,500 lbs, Platano, Puntarenas; 958 lbs, Musa, Amapala; 3,558 lbs, Antigua, Porto Barrios
LUBRICATING—(Scanmail) 6,560 gls, Copenhagen; 550 gls, Stockholm; 3,150 gls, Copenhagen; 52,458 gls, Belvedere, Genoa; 1,375 gls, American Trader, London; (Noordam) 27,500 gls, Rotterdam; 2,750 gls, Rotterdam; 3,906 gls, Amsterdam; (Ingria) 12,708 gls, Leixoes; 33,802 gls, Lisbon; 21,140 gls, Loanda; 6,550 gls, Casablanca; 4,400 gls, Marseilles; 660 gls, Algiers; (City of Khios) 5,500 gls, Karachi; 36,578 gls, Bombay; 3,300 gls, Madras; 3,475 gls, Calcutta; (Santa Rosa) 11,775 gls, Maracaibo; 1,000 gls, Porto Colombia; 1,200 gls, Cartagena; 4,780 gls, Havana, Vera Cruz; (Manhattan) 24,859 gls, Havre; 1,650 gls, Hamburg; (Tana) 3,476 gls, Rio Grande; 8,024 gls, Porto Alegre; 22,000 gls, Buenos Aires; 6,775 gls, Aurania, London; 756 gls, Hamburg, Hamburg; 22,795 gls, Carinthia, London; 8,400 gls, Champlain, Havre; 3,300 gls, Potter, Calcutta; (President Roosevelt) 1,595 gls, Southampton; 5,460 gls, Havre; 2,620 gls, Hamburg; 3,300 gls, Santa Paula, Porto Colombia; (Oriente) 3,300 gls, Havana; 6,050 gls, Manzanillo; (Gerolstein) 5,334 gls, Rotterdam; 113,575 gls, Antwerp; (Steel Ranger) 2,845 gls, Bombay; 9,580 gls, Calcutta; 1,650 gls, Lahore; 1,680 gls, Madras; 1,375 gls, Bombay-Calcutta
PEPPERMINT—424 lbs, Hamburg, Hamburg; 1,566 lbs, Georgic, Liverpool

OIL, RED—2,233 lbs, Gerolstein, Antwerp
WORMSEED—413 lbs, Hamburg, Hamburg
PAINT—2,600 lbs, Scanmail, Stockholm; 51,010 lbs, Santa Rosa, Porto Cabello; 106,401 lbs, Gerolstein, Amsterdam
CREOSOTE—10,580 lbs, Antigua, Porto Barrios
PREPARED—4,815 lbs, Antigua, Porto Barrios
PALM KERNEL CAKE—226,240 lbs, Gerolstein, Antwerp
PARAFFIN—(Belvedere) 1,480,385 lbs, Genoa; 1,317,369 lbs, Naples; (Ingria) 2,024 lbs, Leixoes; 56,843 lbs, Lisbon; 22,812 lbs, Platano, Corinto; 22,315 lbs, Santa Rosa, Porto Colombia; 113,085 lbs, Havana, Vera Cruz; 198,616 lbs, Carinthia, London; (Antigua) 20,201 lbs, Retalheu; 70,702 lbs, Porto Barrios; (Santa Paula) 30,540 lbs, Porto Colombia; 134,416 lbs, Cartagena
REFINED — 22,244 lbs, Belvedere, Genoa; 302,328 lbs, Carinthia, London
SCALE—49,036 lbs, Georgic, Liverpool
PETROLEUM, REFD—(Leif) 16,980 gls, Porto Piata; 6,000 gls, San Pedro; 15,000 gls, Ciudad
PHARMACEUTICALS — 7,660 lbs, American Trader, London
POTASH XANTHATE—2,475 lbs, Belvedere, Genoa
RESIN, SYNTH—740 lbs, Aurania, London
ROSIN—10,158 lbs, Noordam, Rotterdam; 2,347 lbs, Carinthia, London; (President Roosevelt) 4,927 lbs, Havre; 1,140 lbs, Hamburg
SODA, ASH—(Platano) 22,200 lbs, Guayaquil; 4,040 lbs, Panama; 143,200 lbs, Santa Rosa, La Guaira; 90,410 lbs, Oriente, Havana
BENZOATE—278 lbs, Talamanca, Havana
BICARBONATE—4,642 lbs, Platano, Corinto; 66,060 lbs, Havana, Vera Cruz; 55,120 lbs, Talamanca, Havana; 22,610 lbs, Santa Paula, Porto Cabello; 6,780 lbs, Oriente, Havana
BROMIDE—22,320 lbs, Scanmail, Helsingfors
CAUSTIC — (Platano) 10,600 lbs, Buenaventura; 4,308 lbs, Panama; (Musa) 21,540 lbs, Guayaquil; 7,200 lbs, Panama; 7,200 lbs, Corinto; 21,600 lbs, Buenaventura; 10,770 lbs, Mollendo; (Leif) 17,987 lbs, Porto Piata; 21,555 lbs, Ciudad; 210,150 lbs, Havana, Vera Cruz; 435,580 lbs, Tana, Buenos Aires; 121,015 lbs, Potter, Karachi; 47,582 lbs, Oriente, Havana; 11,020 lbs, Santa Paula, Porto Cabello
CYANIDE—3,600 lbs, Antigua, Porto Barrios
HYPOSULPHITE — 5,710 lbs, Talamanca, Havana
NITRATE—4,045 lbs, Talamanca, Limon
PHOSPHATE TRI—11,386 lbs, Carinthia, Southampton
SILICATE — 1,610 lbs, Platano, Panama; 113,150 lbs, Oriente, Havana
STARCH, CORN—5,555 lbs, Noordam, Rotterdam-Amsterdam; (City of Khios) 125,208 lbs, Bombay; 12,290 lbs, Calcutta; 2,800 lbs, Musa, Panama; 11,280 lbs, Potter, Karachi
TALC—45,212 lbs, Western Prince, Buenos Aires; 44,800 lbs, Aurania, London
TANNING MATERIAL—27,915 lbs, Western Prince, Buenos Aires
TITANIUM LITHOPONE—21,500 lbs, Carinthia, London
PIGMENT — 68,400 lbs, American Trader, London
TURPENTINE—2,750 gls, Steel Ranger, Colombo
VARNISH—1,723 lbs, Talamanca, Havana
WITCH HAZEL EXTRACT—4,898 lbs, Manhattan, Havre
CRUDE—7,944 lbs, Manhattan, Hamburg
ZINC OXIDE—24,680 lbs, Western Prince, Buenos Aires; 550 lbs, President Roosevelt, Southampton

## Baltimore Exports

### Clearance Dates

Black Condor, December 19; Hammaren, December 19; Pipestone County, December 20; Phoebus, December 22

ACID, CHROMIC—1,135 lbs, Black Condor, Antwerp
CHROME ORE—2,240 lbs, Pipestone County, Havre
COPRA CAKE—200 tons, Pipestone County, Havre
GREASE, LUBRIC—14,450 lbs, Phoebus, Aruba
INSECTICIDE—13,997 lbs, Pipestone County, Bordeaux
POLISH, AUTO—1,000 gls, Pipestone County, Havre
SHOE—2,911 lbs, Pipestone County, Lyons
POTASH BICHROMATE—11,424 lbs, Black Condor, India
SODA BICHROMATE—43,232 lbs, Black Condor, India
SOYBEAN MEAL — 302 tons, Black Condor, Rotterdam/Amsterdam
STARCH—(Hammeren) 22,000 lbs, Finland; 22,000 lbs, Oslo

## Beaumont Exports

### Clearance Date

Meanticut, December 20

ASPHALT, PETROL—(Meanticut) 12 bxs, Karachi; 100 dms, Colombo
GREASE, LUBRIC—(Meanticut) 14 dms, Alexandria; 200 cs, Bombay
OIL LUBRICATING, PALE—(Meanticut) 20 dms, 100 cs, Alexandria; 710 dms, 180 cs, Bombay; 86 dms, Colombo
PARAFFIN—10 cs, Meanticut, Alexandria

## Boston Exports

### Clearance Dates

Birmania, December 21; Black Tern, December 17; Lady Hawkins, December 17; Lehigh, December 19; Mathilda Thorden, December 23; Tagati, December 20; Yarmouth, December 17, 21 and 24

ASBESTOS FIBER — 4,406 bgs, Birmania, Trieste
ALUMINA SULPHATE—100 tons, 200,000 lbs, Tagati, Brooklyn, N S
BLUE, LAUNDRY—1 cs, 100 lbs, Yarmouth, Halifax
CEMENT, BELT—1 bl, 101 lbs, Lehigh, London
CHEMICALS—4 cs, 400 lbs, Lehigh, London
CLEANER—120 cs, Yarmouth, St John, N B
DRESSING, BELT—1 cs, 53 lbs, Lehigh, London
FISHMEAL—2,000 bgs, 220,000 lbs, Black Tern, Rotterdam
INK, PRINTING—1 cs, 120 lbs, Lehigh, London
WRITING—5 cs, Black Tern, Antwerp
LACQUER—2 dms, 104 gls, Black Tern, Wiltz
LINING COMP—(Lehigh) 32 dms, 265 gls, Malmo; 50 dms, 250 gls, Goteborg
MEDICINAL PREPS—312 bxs, 1,500 gls, Lehigh, London
MUCILAGE—2 cs, 168 lbs, Black Tern, Antwerp
OIL, HALIBUT LIVER—7 cs, 518 lbs, Lehigh, London
LUBRICATING—3 dms, 167 gls, Lady Hawkins, Hamilton; 2 cs, 40 gls, Lehigh, London
NEATSFOOT—26 dms, 1,451 gls, Black Tern, Rotterdam
PINETAR—2 dms, 1,010 lbs, Yarmouth, Halifax
POLISH, AUTO—1 dm, 480 lbs, Mathilda Thorden, Helsingfors
FLOOR—1 cs, 150 lbs, Yarmouth, Charlottetown, P E I
ROSIN—17 dms, 6,800 lbs, Lehigh, Stockholm
SHELLAC—80 bgs, 13,120 lbs, Birmania, Genoa
SODA, BENZOATE—1 bbl, 225 lbs, Yarmouth, Lockeport, N S
WAX, FLOOR—31 dms, 13,015 lbs, Mathilda Thorden, Helsingfors
SEALING—1 cs, 117 lbs, Lehigh, London
WINDOW WASH—1 dm, 42 lbs, Mathilda Thorden, Helsingfors

## Galveston Exports

### Clearance Dates

Ada O, December 16; Anhalt, December 15; Emancipation, December 20; Idarwald, December 17; Laurent Meeus, December 19; Livenza, December 16; Meanticut, December 19; Johannes Molkenbuhr, December 19; Scottsburg, December 14; Winston Salem, December 17

ASPHALT—64 dms, Livenza, Trieste; 64 tons, Idarwald, Hamburg
BLACK, CARBON — (Scottsburg) 9 tons, Havre; 8 tons, Antwerp; 5 tons, Winston Salem, Rotterdam
CONCENTRATES — 200 tons, Ada O, Marseilles; 264 bbls, Johannes Molkenbuhr, London
KEROSENE—(Laurent Meeus) 3,000 tons, London; 500 tons, Killingholm
SULPHUR — (Anhalt) 1,000 tons, Auckland; 1,100 tons, Lyttelton; 1,100 tons, Dunedin; 2,750 tons, Wanganui; 1,750 tons, Meanticut, Hull; 1,213 bgs, Emancipation, Tampico

## Houston Exports

### Clearance Dates

Actor, December 17; Ada O, December 14; Arena, December 14; Kimikawa, December 19; Leerdam, December 20; Munsterland, December 20; Livenza, December 14; Stigstad, December 19; Winston Salem, December 15

BLACK, CARBON—96 cs, 7,260 bgs, Ada O, Genoa; (Livenza) 5,506 bgs, 50 cs, Trieste; 2,200 bgs, Venice; 282 cs, Susak; 309 bgs, Constanza via Trieste/Venice; 7 cs, Istanbul via Trieste/Venice; 6 cs, 50 bgs, Winston Salem, Rotterdam; (Actor) 4,712 bgs, Liverpool; 24,133 bgs, 250 cs, Manchester; (Kimikawa) 150 tons, Yokohama; 10 tons, Osaka; 200 tons, Kobe; (Leerdam) 124 tons, London; 7 tons, Rotterdam
GASOLINE—7,000 tons, Arena, Curacao; 7,000 tons, Stigstad, Whitebooth/Avonmouth/Preston
GREASE, LUBRIC—10 bbls, Ada O, Genoa
KEROSENE—1,000 tons, Stigstad, Whitebooth/Avonmouth/Preston
OIL, LUBRICATING—588 tons, Ada O, Genoa; 800 tons, Livenza, Trieste

## Lake Charles Exports

### Clearance Dates

Margaret Lykes, December 12; Tillie Lykes, December 19

LARD—(Tillie Lykes) 125 tins, Arecibo; 150 cs, Arroyo
ROSIN—(Margaret Lykes) 110 dms, Coquimbo; 80 dms, Buenaventura

## Los Angeles Exports

### Clearance Dates

Baja California, December 13; Birchbank, December 11; Buenos Aires, December 14; Capac, December 12; Carella, December 15; Charles F Meyer, December 16; City of Baltimore, December 10; Coloradan, December 12; Emergency Aid, December 11; Gertrude Maersk, December 14; Granville, December 16; Havkong, December 15; Hoegh Silvercrest, December 2; Hoegh Silverlight, December 12; Kingsley, December 13; Kiyokawa, December 13; La Placentia, December 17; Moldanger, December 9; Narenta, December 12; President Cleveland, December 13; Velma, December 10; Vera, December 16; W S Rheem, December 14; Warwick, December 16; West Cactus, December 9

ACETONE—140 dms, 50,140 lbs, Narenta, Amsterdam
ACID, BORIC—1,000 bgs, 112,000 lbs, Narenta, Liverpool
HYDROCYANIC—(Baja California) 3 cyls, 570 lbs, Manzanillo; 1 cyl, 120 lbs, Mazatlan
ASPHALT—10 dms, 4,930 lbs, West Cactus, Buenos Aires
BLACK, CARBON—50 cs, 9,380 lbs, Granville, Hongkong
BLUE VITRIOL—800 lbs, Baja California, Glasgow
BORAX—(Birchbank) 600 sks, 66,100 lbs, Yokohama; 220 sks, 24,250 lbs, Kohnan; 720 bgs, 89,600 lbs, Moldanger, Antwerp; 199 bgs, 21,940 lbs, Kiyokawa, Cartagena; 100 bgs, 11,200 lbs, Narenta, London; (Buenos Aires) 900 bgs, 100,800 lbs, Yokohama; 2,360 bgs, 264,320 lbs, Osaka; (Hoegh Silvercrest) 290 pkgs, 32,480 lbs, Bombay; 300 kegs, 33,600 lbs, Karachi
CHEMICALS — 3,300 lbs, Gertrude Maersk, Hongkong
CLAY—800 bgs, 44,800 lbs, West Cactus, Rosario
GROUND—45 dms, 20,250 lbs, City of Baltimore, Casigua; 20 sks, 2,240 lbs, Hoegh Silverlight, Bahrein Islands
CLEANER—1,080 lbs, West Cactus, Buenos Aires; (President Cleveland) 530 lbs, Manila; 25 cs, 1,410 lbs, Hongkong
COALTAR—3 dms, 1,500 lbs, Baja California, Mazatlan
COPPERAS—400 lbs, Baja California, Guaymas
COTTON LINTERS—236 bls, 109,270 lbs, Birchbank, Kobe
DIATOMACEOUS EARTH—595 bgs, 59,500 lbs, Moldanger, Antwerp; 300 bgs, 29,550 lbs, West Cactus, Rosario; 221 bgs, 22,430 lbs, Narenta, London; 2,000 bgs, 200,000 lbs, City of Baltimore, Havana; 20 bgs, 2,030 lbs, Granville, Manila; 44 bgs, 4,330 lbs, Capac, Eten
FLYSPRAY—25 cs, 450 lbs, Gertrude Maersk, Manila
GASOLINE—800 dms, 1,150 cs, 355,610 lbs, Granville, Manila; 82,971 bbls, 21,655,430 lbs, Vera, Brisbane; 45,445 bbls, 11,861,150 lbs, Charles F Meyer, Rotterdam; 66,755 bbls, 17,423,060 lbs, Carella, Manila; 74,973 bbls, 19,567,950 lbs, Svithiod, Sete; 150 dms, 49,330 lbs, Capac, Amapala
AVIATION — 44,940 bbls, 11,729,340 lbs, Charles F Meyer, Curacao
GREASE—1 dm, 410 lbs, Capac, Puntarenas
KEROSENE—5,000 cs, 425,000 lbs, Granville, Manila; 33,118 bbls, 9,438,630 lbs, Charles F Meyer, Rotterdam; 13,083 bbls, 3,872,650 lbs, Warwick, Ioco; 28,907 bbls, 8,238,500 lbs, Carelia, Manila; 3,264 bbls, 930,240 lbs, Gertrude Maersk, Hongkong; 60 cs, 5,100 lbs, Capac, Granada
DISTILLATE—3,443 bbls, 970,930 lbs, Granville, Hongkong
LACQUER—1,610 lbs, President Cleveland, Manila; 910 lbs, Coloradan, San Juan
NITROCELLULOSE—1,890 lbs, Baja California, Manzanillo
THINNER—880 lbs, Baja California, Manzanillo; 1,470 lbs, Hoegh Silverlight, Bombay
METHANOL—430 lbs, Gertrude Maersk, Hongkong
OIL, DIESEL—1,415 bbls, 441,480 lbs, Granville, Manila; 22,508 bbls, 7,022,500 lbs, La Placentia, Balboa; 99,890 bbls, 31,165,680 lbs, W S Rheem, Hamburg; (Capac) 2,124 bbls, 662,690 lbs, Coquimbo; 8 dms, 3,120 lbs, Puntarenas; 79,989 bbls, 24,956,570 lbs, Havkong, Tsurumi-Nagasaki
FUEL—88,736 bbls, 29,549,750 lbs, Velma, Tocopilla; 7,661 bbls, 2,551,110 lbs, Kingsley, Vancouver; 16,397 bbls, 5,460,200 lbs, Havkong, Tsurumi-Nagasaki
LUBRICATING—19 dms, 9,310 lbs, Capac, Puntarenas
PINE—240 lbs, Gertrude Maersk, Hongkong
PAINT THINNER—45 dms, 16,070 lbs, Granville, Manila
PETROLEUM, GAS, LIQ—2 cyls, 430 lbs, Baja California, Guaymas
POTASH MURIATE—999,040 lbs, Coloradan, San Juan
SILICATE—600 bgs, 66,140 lbs, West Cactus, Buenos Aires
SOAP POWDER—3,080 lbs, Kiyokawa, Havana
SODA ASH—300 bgs, 30,000 lbs, Kingsley, Powell River
BICARBONATE—2,240 lbs, Baja California, Guaymas
CAUSTIC — 520 lbs, President Cleveland, Manila
SAL—1,000 lbs, Baja California, Guaymas
SILICATE—64,600 lbs, Kiyokawa, Buenaventura
TALC—(Capac) 20 sks, 2,240 lbs, San Jose; 20 bgs, 2,000 lbs, La Libertad
TOILET PREPS—(Kiyokawa) 140 lbs, Panama City; 350 lbs, Medellin; 1,200 lbs, Emergency Aid, San Juan; 1,600 lbs, Granville, Manila; (Hoegh Silverlight) 1,450 lbs, Singapore; 2,750 lbs, Sourabaya

## Mobile Exports

### Clearance Dates

Corisco, December 16; Koeln, December 11; Sorvangen, December 19

ROSIN, GUM—(Sorvangen) 80 bbls, Kingston; 16 bbls, Port of Spain
WOOD—335 bbls and dms, Corisco, Havana; 22 dms, Koeln, Hamburg
TURPENTINE—(Sorvangen) 3 dms, Kingston; 25 cs, Ciudad Bolivar

## New Orleans Exports

### Clearance Dates

Austvangen, December 6; Davanger, December 13; Nea, December 3; Nevada, December 5; Tegucigalpa, December 1; Winston Salem, December 13

ASPHALT—273 tons, Nea, Paramaribo
CRUDE—51 sx, Winston Salem, Hamburg; 19 tons, Nevada, Havre
BLACK, CARBON—55 tons, Nevada, Havre
CARBON BISULPHIDE—275 dms, Tegucigalpa, Vera Cruz
CONCENTRATES—8 bbls, Nevada, Havre
EARTH, FULLER'S—1,360 sx, Tegucigalpa, Tampico
GASOLINE—30 bbls, Austvangen, Moengo
LARD—(Austvangen) 100 tins, Port au Prince; 100 tins, Willemstad; 2,480 tins, La Guaira; 400 tins, Tegucigalpa, Vera Cruz
OIL, FUEL—1,100 bbls, Austvangen, Moengo
LUBRICATING—10 tons, Nea, Maracaibo; (Nevada) 25 tons, Havre; 43 tons, Bordeaux; 55 pkgs, Austvangen, Port au Prince; 14 dms, Tegucigalpa, Tampico
PAINT—90 pkgs, Austvangen, Port au Prince
PARAFFIN—1,016 sx, Tegucigalpa, Vera Cruz
PETROLATUM—13 tons, Nevada, Havre
PETROLEUM, CRUDE, LIGHT—9,703 tons, Davanger, Hamburg
SALT—265 sx, Austvangen, Ciudad Trujillo
SAND—22 sx, Tegucigalpa, Tampico
SOYBEAN—2,084 tons, Winston Salem, Hamburg
TURPENTINE—50 cs, Austvangen, La Guaira
VARNISH—8 dms, Tegucigalpa, Tampico

## Norfolk Exports

### Clearance Dates

Edam, December 14; Lehigh, December 16

METHANOL—72 dms, 3,888 gls, Edam, Rotterdam
MICA—66 bgs, 6,468 lbs, Edam, Amsterdam
PULVERIZED—450 bgs, 45,900 lbs, Lehigh, London
POPLAR BARK—1 bl, 310 lbs, Lehigh, London
POTASH MURIATE—224 bgs, 45,136 lbs, Lehigh, London
SODA NITRATE—100 bgs, 10 tons, Edam, Rotterdam
TANNING EXTRACT—150 bgs, 22,500 lbs, Edam, Amsterdam
WINTERGREEN HERB—1 bl, 225 lbs, Lehigh London

## Philadelphia Exports

### Clearance Dates

Artigas, December 19; Black Tern, December 20; Boston City, December 23; City of Wellington, December 14; Clan Macnair, December 19; Fernbrook, December 15; Glacus, December 19; Hammaren, December 17; Jeff Davis, December 15; Macharda, December 19; Manchester Brigade, December 17; Michigan, December 17; Mormacport, December 17; Naruto, December 17; Neuenfels, December 19; Pipestone County, December 17; Sarcoxie, December 17; West Imboden, December 21; West Isleta, December 20

ACID, HYDROCHLORIC—1 bx, Jeff Davis, Hongkong
PHOSPHORIC—5 pkgs, Black Tern, Rotterdam
ALUMINA SULPHATE—300 bbls, Jeff Davis, Manila
AMMONIA NITRATE—30 dms, Glacus, Batavia
ANTI-KNOCK COMP—35 dms, 6 bbls, Macharda, London; 7 dms, Mormacport, Gdynia; (Pipestone County) 140 ctns, Havre; 42 dms, A Donges; 57 dms, Bordeaux; 20 dms, Basses, Pyrenees; 40 dms, Ambers
BENZOL—194 dms, West Imboden, Montevideo
BLACK, BONE—28 bgs, Hammeren, Gothenburg; 14 bgs, Mormacport, Gothenburg
CEMENT, FURNACE—12 bbls, Mormacport, Gothenburg
CHLOROPRENE—1 pkg, Manchester Brigade, Manchester
CLEANER—3 dms, City of Wellington, Calcutta; 5 cs, Hammaren, Gefle
SHOE, WHITE—4 ctns, City of Wellington, Tel Aviv; 9 dms, Mormacport, Copenhagen
COALTAR, INTERMEDIATES—(Mormacport) 1 bbl, 6 dms, Gothenburg; 5 dms, 1 bx, Stockholm; 2 dms, 1 bx, Helsingfors
LIQ—45 dms, Jeff Davis, Manila
COCOA CAKE—1,280 bgs, Black Tern, Amsterdam
COLLODION COTTON—30 pkgs, Manchester Brigade, Liverpool
DICHLORODIFLUOROMETHANE — 25 pkgs, Manchester Brigade, Manchester
DIMETHYLAMINE — 47 pkgs, Manchester Brigade, Manchester
DRESSING, TOP, BLACK—100 cns, Pipestone County, Havre
DYE, LEATHER—20 ctns, City of Wellington, Tel Aviv
DYEWOOD EXTRACT—1 bbl, West Imboden, Rio de Janeiro
ETHYL FLUID—12 dms, Mormacport, Helsingfors; (Pipestone County) 60 dms, Havre; 12 dms, Notre Dame; 15 dms, Bordeaux
GASOLINE — (Neuenfels) 500 cs, Lourenco Marques; 150 cs, Capetown
GREASE, LUBRICATING—(Hammaren) 5 bbls, Gothenburg; 5 dms, 3 bxs, Stockholm; 1 dm, 1 bbl, Helsingfors; 22 dms, Macharda, London; (Glaucus) 40 dms, Bangkok; 1 dm, Bangoeng; 20 qtr dms, Sourabaya; 2 dms, Cheribon; 1 bbl, Mormacport, Gothenburg; 5 dms, Pipestone County, Havre; (Neuenfels) 40 cs, 10 dms, Port Elizabeth; 30 cs, 65 bkts, Capetown; 25 cs, 40 dms, 240 bkts, Durban; 40 cs, 10 dms, 125 bkts, Lourenco Marques; 25 cs, Beira; 7 pkgs, Black Tern, Rotterdam; 35 pls, 3 cs, West Imboden, Santos
GUM, SYNTHETIC — 100 pkgs, Manchester Brigade, Manchester
INK, PRINTING—1 pkg, Black Tern, Rotterdam
SHOE—32 ctns, Michigan, Colon
WRITING—55 ctns, City of Wellington, Alexandria
INSECTICIDE—202 ctns, West Isleta, Lourenco Marques
JELLY, PETROLEUM—30 cs, Sarcoxie, London
LACQUER, BLACK—2 cs, City of Wellington, Alexandria
COLORED—1 cs, City of Wellington, Alexandria
LARD—200 pkgs, Manchester Brigade, Manchester
LEAD, RED—500 kgs, Michigan, Cristobal
LICORICE, EXTRACT—10 dms, Artigas, Glasgow
PASTE—85 pkgs, Manchester Brigade, Liverpool; 20 cs, Artigas, Glasgow; 40 pkgs, Black Tern, Antwerp
LITHOPONE—60 bbls, Mormacport, Gothenburg
LOGWOOD EXTRACT—30 pkgs, Manchester Brigade, Manchester
LINSEED CAKE—(Black Tern) 2,257 bgs, Antwerp; 1,182 bgs, Rotterdam
MEAL—2,030 bgs, Pipestone County, Havre
MANGANESE ORE—56 bgs, Neuenfels, Port Elizabeth
MEDICINAL PREPS—(City of Wellington) 15 bxs, Karachi; 17 bxs, Madras; 3 cs, Rangoon; 20 cs, Calcutta; (Jeff Davis) 1 bx, Hongkong; 2 bxs, Shanghai; 11 bxs, Glaucus, Bangkok; 63 bbls, West Imboden, Buenos Aires
METAL WORKING COMP—5 bbls, Mormacport, Gdynia
MINERAL SPTS—(Neuenfels) 10 cs, Capetown; 25 bbls, Lourenco Marques
MOLASSES—75 bbls, Artigas, Dublin
MUCILAGE—15 ctns, City of Wellington, Alexandria
NICOTINE SULPHATE—20 cs, West Imboden, Buenos Aires
OIL, ILLUMINATING—(Neuenfels) 650 cs, Capetown; 500 cs, Lourenco Marques; 2,200 cs, Beira
LUBRICATING—(Manchester Brigade) 258 pkgs, Manchester; 517 pkgs, Liverpool; 95 pkgs, Birkenhead; (City of Wellington) 100 cs, Damascus; 52 dms, Port Said; 30 dms, Karachi; 134 dms, Bombay; 314 dms, 225 cs, Basrah; 70 dms, 35 cs, Colombo; 65 dms, Madras; 60 dms, 10 pls, Rangoon; 230 dms, 540 cs, Calcutta; 299 dms, 135 cs, Madras; 1,407 dms, 350 cs, Bombay; 405 dms, 200 pls, 1,315 cs, Karachi; (Fernbrook) 152 bbls, 3 dms, 306 cs, Lisbon; 300 pkgs, Alexandria; 23 pkgs, Haifa; 12 pkgs, Jaffa; 700 pkgs, Piraeus; 300 dms, Istanbul; (Hammaren) 531 pkgs, Gothenburg; 173 pkgs, Malmo; 406 pkgs, 65 dms, Stockholm; 49 pkgs, Norrkoeping; 56 pkgs, 10 dms, Helsingfors; 88 pkgs, Sundsvall; (Jeff Davis) 60 ctns, 4 dms, Honolulu; 50 dms, Manila; 35 dms, Cebu; (Clan Macmair) 705 dms, 615 cs, Capetown; 550 dms, 345 cs, Port Elizabeth; 325 dms, 170 cs, East London; 1 pkg, Johannesburg; 3,735 pkgs, Durban; 5,670 pkgs, Lourenco Marques; 465 dms, 820 cs, Beira; 152 pkgs, Majunga; 150 pkgs, Tulear; 110 pkgs, Mossel Bay; 571 pkgs, Diego Suarez; 216 dms, 179 pkgs, Macharda, London; (Glaucus) 5 dms, Penang; 23 dms, 5 cs, Port Swettenham; 26 pkgs, 227 dms, Bangkok; 180 cs, Batavia; 18 dms, Semarang; 56 dms, 24 pls, 35 cs, Sourabaya; 14 dms, Cheribon; (Sarcoxie) 10 bbls, London; 325 bbls, Hamburg; (Naruto) 109 dms, Yokohama; 279 dms, 100 cs, Dairen; 7 cs, Kobe; (Artigas) 6 ctns, 1 dm, Cork; 4 cs, Glasgow; (Mormacport) 8 dms, 1 bx, 1 crate, Gothenburg; 118 dms, 5 one quarter dms, 80 bbls, 14 pkgs, Copenhagen; 70 bbls, Gydnia; 75 dms, Stockholm; 44 pkgs, Helsingfors; (Pipestone County) 285 dms, Rouen; 30 bbls, 250 dms, Havre; 65 bbls, La Palice; 74 ctns, Paris; 128 bbls, Bordeaux; (Neuenfels) 410 dms, Port Elizabeth; 10 cs, 50 dms, East London; 478 dms, 10 cs, Capetown; 959 dms, 30 cs, Durban; 555 dms, 115 cs, Lourenco Marques; 90 cs, 50 dms, 40 bskts, Beira; 332 pkgs, a quantity in bulk, Black Tern, Antwerp; (West Isleta) 10 dms, East London; 15 dms, Durban; 115 pkgs, Dares-Salaam; 5 cs, Zanzibar; 10 bxs, Mombasa; 65 pkgs, Boston City, Cardiff; (West Imboden) 186 cs, 188 dms, Santos; 65 dms, Montevideo
PAINT—525 cs, Michigan, Cristobal
ENAMEL—26 ctns, Artigas, Cork
PARAFFIN—100 bbls, Jeff Davis, Manila; 425 bbls, Artigas, Manchester; 153 bgs, Pipestone County, Bordeaux; 120 pkgs, Boston City, Bristol
REFINED—26 bgs, Mormacport, Gothenburg
SEMI-REFINED — 500 bbls, Naruto Maru, Tsingtao
POLISH, AUTO—110 ctns, Artigas, Cork; 100 ctns, Pipestone County, Paris; 1 ctn, West Isleta, Lourenco Marques
FURNITURE—13 ctns, West Isleta, Lourenco Marques
SHOE—6 ctns, City of Wellington, Tel Aviv; (Michigan) 7 ctns, Colon; 61 ctns, Guayaquil
PRIMER—14 pls, City of Wellington, Karachi

PUTTY, AUTO TOP—16 ctns, Artigas, Cork
RADIATOR SOLDER—34 ctns, Pipestone County, Paris
RESIN, COALTAR—(Fernbrook) 2 dms, Tel Aviv; 4 dms, Haifa; 35 dms, 1 can, Macharda, London; 7 dms, Pipestone County, Paris
RESURFACER—10 pls, City of Wellington, Karachi
RUBBER COMPOUNDING AGENT—20 pkgs, Manchester Brigade, Manchester; 2 dms, Scanyork, Copenhagen
RUTILE—6 dms, Mormacport, Stockholm; 61 pkgs, Black Tern, Rotterdam
SILICA—200 bgs, Macharda, London
SOAP—(Manchester Brigade) 300 pkgs, Liverpool; 300 pkgs, Manchester
LAUNDRY—68 bxs, Jeff Davis, Honolulu; 300 bxs, Sarcoxie, London; 300 bxs, Boston City, Bristol
LIQUID—1 bx, Jeff Davis, Pearl Harbor
SODA, ASH—8 bbls, Michigan, Guatemala City; 1 ctn, Mormacport, Gothenburg
CYANIDE—1 dm, Mormacport, Gothenburg
PHOSPHATE, TRI—68 bgs, Sarcoxie, Hull; 680 bgs, Artigas, Manchester
TANNING EXTRACT—10 pkgs, Manchester Brigade, Manchester
COMPOUND—5 bbls, Mormacport, Stockholm
TETRAETHYL LEAD—3 bxs, Mormacport, Gdynia
TIRE COATING COMP, WHITE—2 ctns, West Isleta, Lourenco Marques
VALVE GRINDING COMP—1 ctn, Artigas, Cork

## Port Arthur Exports

### Clearance Dates

California, December 9; Cordelia, December 10; Gard, December 8; George G Henry, December 15; Moorsdrecht, December 15; Munsterland, December 15; Nueva Granada, December 11; Realf, December 11; Steel Engineer, December 9; Velma Lykes, December 13

ASPHALT—421 dms, 10 cs, Nueva Granada, Antwerp
LIQUID—(Munsterland) 50 dms, Manila; 30 dms, Cebu
PETROLEUM—8 bxs, Steel Engineer, Madras; (Velma Lykes) 4,040 dms, 2 bxs, San Juan; 1 bx, Aguadilla; 2 bxs, Arecibo; 1 bx, Mayaguez; 85 dms, Ponce; 800 dms, Munsterland, Shanghai
CLEANER—(Velma Lykes) 2 dms, 20 cs, San Juan; 1 dm, 10 cs, Ponce
GASOLINE—104,310 bbls, Gard, Lands End, for orders; 89,829 bbls, Realf, Copenhagen; (Nueva Granada) 25,983 bbls, Antwerp; 26,081 bbls, Thameshaven; 26,081 bbls, Liverpool; (Velma Lykes) 803 bbls, 500 cs, 50 dms, San Juan; 200 bbls, St Thomas
GREASE, LUBRICATING — (Steel Engineer) 171 dms, 10 cs, 5 crts, Madras; 210 dms, 30 cs, Calcutta; 62 bbls, 170 dms, 75 cs, Nueva Granada, Antwerp; (Velma Lykes) 23 dms, 10 cs, San Juan; 3 cs, Aguadilla; 10 dms, Arroyo; 7 cs, Arecibo; 3 dms, Mayaguez; 15 bbls, Guanica; 18 cs, Ponce; (Munsterland) 50 dms, 50 cs, Hongkong; 277 dms, 710 cs, Manila; 190 dms, 155 cs, Cebu; 50 dms, 25 cs, Shanghai; 10 dms, 10 cs, Taku; 15 dms, 15 cs, Dairen
KEROSENE—12,584 bbls, Realf, Copenhagen; (Nueva Granada) 7,887 bbls, Thameshaven; 5,482 bbls, Liverpool; 4,056 bbls, Antwerp; (Velma Lykes) 2,300 cs, San Juan; 800 cs, Aguadilla; 505 cs, Arecibo; 1,100 cs, Mayaguez; 2,000 cs, Ponce
OIL, DIESEL—6,961 bbls, Nueva Granada, Antwerp
GAS, LIGHT—3,754 bbls, Nueva Granada, Antwerp
FUEL — 68,347 bbls, California for floating whale factory, American whaling vessel Ulysses, Antarctic Ocean
LUBRICATING — 10 dms, Steel Engineer, Calcutta; 133 dms, Nueva Granada, Antwerp; (Velma Lykes) 1 dm, 14 cs, San Juan; 11 cs, Aguadilla; 44 dms, Arroyo; 22 dms, 20 cs, Arecibo; 7 dms, 48 cs, Mayaguez; 15 dms, 20 bbls, Guanica; 224 dms, 70 cs, Ponce; (Munsterland) 405 dms, Kobe; 70 dms, Yokohama; 2,490 dms, 1,175 cs, Manila; 230 dms, 500 cs, Cebu; 100 dms, 5 cs, Shanghai; 400 dms, Dairen
LUBRICATING, PALE—(Steel Engineer) 455 dms, 10 cs, Madras; 600 dms, 80 cs, Calcutta; 195 dms, 301 cs, 33 bbls, Velma Lykes, San Juan
PARAFFIN—5 cs, Velma Lykes, San Juan
PETROLEUM, CRUDE—89,535 bbls, Cordelia, Donges; 77,779 bbls, George G Henry, Havana; 78,046 bbls, Moordrecht, Brake
WAX, DRESSING, LIQ—(Velma Lykes) 15 cs, San Juan; 1 cs, Ponce

## San Francisco Exports

### Clearance Dates

Baja California, December 9; Capac, December 10; Chilean Reefer, December 8; Chipana, December 9; City of Baltimore, December 9; Gracia, December 9; Keisho, December 10; Knud Rasmussen, December 8; Monterey, December 6; Narenta, December 9; Oakland, December 10; Omurosan, December 7; Pacific President, December 7; Pat Doheny, December 6; President Van Buren, December 10; Rosebank, December 7; San Antonio, December 6; Silverbeech, December 10

ABRASIVES—2 bbls, Silverbeech, Manila
ACID—25 crbys, President Van Buren, Manila
BATTERY—4 crbys, Silverbeech, Manila
BORIC—60 sks, Monterey, Australia
MURIATIC—(Capac) 12 crbys, Amapala; 80 crbys, Capac, Guatemala
STEARIC—10 sks, Baja California, Guaymas
ALCOHOL—1 cs, President Van Buren, Singapore
DENATURED—2 dms, Capac, Amapala
ALKALI, TANNER'S—10 bbls, Baja California, La Paz
ALLYL CHLORIDE—4 dms, San Antonio, France
ALUMINUM, PIGMENTED—1 cs, Capac, San Salvador
AMMONIA, ANHYD—30 cyls, President Van Buren, Singapore
5 cyls, Baja California, Guaymas
ANISE—1 sk, Capac, Granada
APRICOT KERNELS—200 sks, Pacific President, London; 100 sks, Gracia, London
ARSENIC, CRUDE—10 pls, Silverbeech, Manila
ASPHALT—125 dms, Monterey, Australia; 20 bbls, Rosebank, Vancouver; (Capac) 227 bbls, Acajutla; 14 pls, San Jose de Guatemala; 3,052 dms, Silverbeech, Batavia-Samarang-Sourabaya; 4,336 dms, President Van Buren, Singapore
GILSONITE—102 sks, Oakland, Hamburg
BIOLOGICALS, VET—1 cs, President Van Buren, Manila
BLUE, LAUNDRY—4 cs, Silverbeech, Manila
BONE ASH—1 dm, Capac, La Union
FLOUR—800 sks, Rosebank, Vancouver
BORAX—40 sks, Monterey, Australia; 3 sks, Capac, La Union; 2 sks, Baja California, Guaymas
GLASS—1 cs, Baja California, Guaymas
CALCIMINE—6 cs, Capac, Arequipa
CARBON BISULPHIDE—10 dms, Capac, San Jose de Guatemala; (Baja California) 30 dms, Mazatlan; 50 dms, Yavaros; 2 dms, Guaymas
DECOLORIZING—23 cs, Baja California, Mazatlan
CEMENT, LIQ—30 dms, Monterey, Australia
MAGNESIA—20 dms, Silverbeech, Manila
RADIATOR—25 cs, Rosebank, Vancouver
ROOF, LIQ—1 cs, Baja California, Topolobampo
RUBBER—1 cs, President Van Buren, Padang
CHEMICALS—2 cs, 2 dms, Monterey, Australia; 1 crby, Rosebank, Vancouver; 5 kgs, 7 cs, 30 dms, Silverbeech, Manila; 1 cs, Oakland, Guaymas; (President Van Buren) 6 cs, Singapore; 2 cs, Penang; 5 cs, Hongkong; 12 cs, Shanghai
CHOLESTERIN—1 dm, Monterey, Australia
CINNAMON—5 bls, Capac, Corinto; (Baja California) 3 bls, Manzanillo; 1 bl, Guaymas; (Capac) 2 bls, Granada; 3 bls, San Miguel; 15 bls, San Jose de Guatemala; 2 bls, Amapala
CLAY—5 dms, Capac, Cutuco
CLEANER—10 cs, Silverbeech, Singapore
SHOE—2 cs, President Van Buren, Hongkong
CLOVES—(Capac) 10 sks, Champerico; 1 sk, Granada; 1 sk, San Jose de Guatemala; 4 sks, Corinto; 7 sks, Baja California, Guaymas
COCOA BEANS—15 sks, President Van Buren, Yokohama
COLLODION—1 cs, President Van Buren, Hongkong
COLOR, DRY—10 kgs, 25 bbls, President Van Buren, Manila; (Capac) 8 cs, San Salvador; 11 cs, Guatemala City; 162 cs, San Antonio, Colombia; 106 cs, Chipana, San Jose de Guatemala
CUMIN SEED—1 sk, Capac, Granada
DENTIFRICE—1 cs, Monterey, Samoa
DISINFECTANT, LIQ—2 cs, Rosebank, New Westminster
POWDER—2 cs, Rosebank, New Westminster
EPSOM SALT—200 sks, Baja California, La Paz
ETHER—2 cs, Rosebank, Vancouver; 5 cs, President Van Buren, Hongkong
FILTER CLOTH—6 rls, Monterey, Fiji Islands
FISHMEAL—40 sks, Chipana, Puntarenas
FLUORSPAR, POWD—4 dms, Capac, Cutuco
FULLER'S EARTH—3,500 sks, Capac, Talara
GASOLINE—26,000 bbls, Keisho, Japan; 500 cs, Capac, San Jose de Guatemala
GINGER ROOT—12 sks, Monterey, Australia; 1 cs, Rosebank, Vancouver; 1 cs, President Van Buren, Hongkong
GLUE, ANIMAL—1 dm, Monterey, Australia
DRY—1 cs, Capac, Arequipa
GREASE, LUBRIC—230 dms, Monterey, Australia; (Rosebank) 1 bbl, 10 cs, Vancover; 25 dms, Shellburn; 2 dms, Chilean Reefer, Malta; 3 dms, Silverbeech, Batavia; (President Van Buren) 1 cs, Bombay; 1 cs, 11 dms, Singapore; (Capac) 17 pls, 34 cs, San Jose de Guatemala; 4 dms, Puntarenas
GUM, CHICLE—5 cs, Monterey, Australia
GYPSUM, CALC—200 sks, President Van Buren, Manila
HYDROGEN PEROXIDE—118 cs, Monterey, New Zealand
INK, PRINTING—3 dms, Monterey, Australia; 6 dms, Rosebank, Victoria; (President Van Buren) 2 cs, Bombay; 6 cs, 5 dms, 2 pls, Manila; (Capac) 10 dms, Puntarenas; 37 dms, Valparaiso
INSECTICIDE—1 dm, Capac, Amapala
AGRICULTURAL—1 dm, Monterey, Australia
LIQUID—3 cs, Capac, San Jose de Guatemala
IRON, CHLORIDE—10 crbys, Silverbeech, Manila
ORE—1 dm, Monterey, Australia
KEROSENE—250 cs, Knud Rasmussen, Puerto Armuelles; 400 cs, Capac, La Union
LACQUER—(Monterey) 36 pls, New Zealand; 4 cs, Samoa; 10 kgs, President Van Buren, Manila; 1 cs, 2 kgs, Capac, San Salvador
DOPE—3 dms, 4 kgs, Capac, San Salvador
THINNER—3 dms, Capac, San Salvador
LEAD, ARSENATE—10 dms, Capac, Guayaquil
FOIL—3 cs, Baja California, Mazatlan
RED—6 dms, President Van Buren, Manila
LIME—(Capac) 2,222 dms, Lupe; 4,444 dms, Salaverry; 2 dms, San Juan del Sur; 22 dms, La Union
LIMESTONE, POWD—8 sks, Knud Rasmussen, Puerto Armuelles
LIME-SULPHUR—30 cs, 15 dms, Rosebank, Vancouver
LINSEED MEAL—24 sks, Chipana, Puntarenas
LITHARGE—15 dms, Silverbeech, Manila; 4 dms, President Van Buren, Manila; (Capac) 2 pls, La Union; 1 cs, Puntarenas; (Baja California) 12 kgs, Guaymas; 20 pls, Mazatlan
LUBRICANT—1 bbl, 1 cs, Capac, Guayaquil
LYE—5 cs, Capac, Corinto; 6 cs, Baja California, Guaymas
MAGNESIA HYDROXIDE, PASTE — 2 dms, Rosebank, Vancouver
MEDICINAL PREPS—12 cs, 1 dm, Monterey, Australia; 3 cs, City of Baltimore, Kingston; (Silverbeech) 22 cs, Madras; 5 cs, Batavia; 20 cs, Bombay; 6 pkgs, President Van Buren, Manila
METHYL CHLORIDE—1 cyl, Silverbeech, Cebu
MILK POWDER—5 cs, Silverbeech, Amboina; 1 crt, Capac, San Jose de Guatemala
SUGAR—191 bbls, Monterey, Australia
MINERALS—3 cs, City of Baltimore, La Guaira
MUSTARD, POWD—4 cs, Capac, San Jose de Guatemala
SEED—8 sks, Capac, San Jose de Guatemala
NITROCELLULOSE—2 dms, Rosebank, Victoria
NITROUS OXIDE AND OXYGEN—14 crts, Monterey, New Zealand
OIL, COCONUT—6 bbls, 60 cs, Monterey, New Zealand; (Capac) 10 dms, Granada; 11 dms, San Jose de Guatemala
CYLINDER—2 dms, President Van Buren, Singapore; (Capac) 12 dms, Lima; 4 dms, Puntarenas
DYNAMO—2 dms, Capac, Puntarenas
ENGINE—10 dms, San Antonio, France
LUBRICATING—1,928 dms, 200 bbls, Monterey, Australia; (Rosebank) 71 dms, Vancouver; 50 dms, Shellburn; (Chilean Reefer) 2 pls, 12 dms, Malta; 30 dms, Syria; (Silverbeech) 140 dms, Madras; 10 dms, Penang; 1 cs, 95 dms, Batavia; 15 cs 600 dms, Bombay; 70 dms, Karachi; (President Van Buren) 50 dms, Penang; 91 dms, Singapore; 100 dms, Bombay; 942 tons, Keisho, Japan; (Capac) 2 dms, Champerico; 10 dms, Talara; 120 dms, Guayaquil; 1 cs, Valparaiso; 18 dms, San Salvador; 8 dms, La Union; 3 dms, Puntarenas; 30 dms, Callao; 10 dms, Mollendo
PAINT—8 dms, Monterey, Australia
PALM—(Capac) 1 dm, Granada; 2 dms, La Libertad
PINE—4 dms, Capac, Puntarenas
RAISIN SEED—5 cs, Narenta, England
SARDINE—4 dms, Monterey, New Zealand
SPEARMINT—3 dms, Monterey, Australia
TRANSFORMER—1 cs, Capac, Puntarenas
ORANGE PEEL — 10 dms, Rosebank, Vancouver
PAINT—(Monterey) 1 cs, Samoa; 1 cs, Suva; 30 cs, San Antonio, Canal Zone; 2 cs, Rosebank, Vancouver; 24 cs, 10 pls, Silverbeech, Manila; (President Van Buren) 66 cs, 30 kegs, Manila; 1 cs, Padang; 5 cs, Bangkok; (Capac) 21 kegs, 5 cs, 1 dm, Arequipa; 16 kegs, 23 cs, Guatemala City; 3 dms, Supe
ALUMINUM—1 cs, Capac, San Salvador
PAINT, BITUMINOUS—43 dms, San Antonio, Chile
ENAMEL—(Capac) 20 cs, San Salvador; 1 cs, San Miguel; 2 cs, 3 pls, Guatemala
PASTE—1 cs, 20 kegs, President Van Buren, Manila
PREPARED—1 cs, Baja California, Guaymas
PRIMER—3 dms, San Antonio, Chile; 1 cs, Capac, San Salvador
THINNER—150 dms, Rosebank, Shellburn; (Capac) 1 dm, 7 kegs, Arequipa; 4 cs, San Salvador
PASTE, ADHES — 40 dms, President Van Buren, Hongkong
PEPPER — (Capac) 2 sks, Corinto; 25 sks, Champerico; 5 sks, San Jose de Guatemala; 11 sks, Baja California, Guaymas
BLACK—15 sks, San Antonio, Chile; (Capac) 3 sks, Granada; 2 sks, San Miguel; 10 sks, San Jose de Guatemala; 6 sks, Baja California, Guaymas
PERFUMERY—1 dm, 1 cs, Monterey, Australia
PETROLEUM, CRUDE—76,438 bbls, Pat Doheny, Vancouver; 75,000 bbls, Omurosan, Tokuyama
GAS, LIQ—7 cyls, Rosebank, Shellburn
REFINED—(Capac) 20 dms, Acajutla; 505 cs, San Jose de Guatemala
PHOSPHATE—100 sks, Silverbeech, Manila
PIMENTOS—8 sks, Monterey, Australia
POLISH, AUTO—(Monterey) 2 cs, Australia; 1 cs, Fiji Islands
FLOOR—2 cs, Monterey, Samoa
SHOE—1 cs, Silverbeech, Manila
STOVE—50 cs, Rosebank, Vancouver
POTASH ETHYLXANTHATE—30 dms, San Antonio, Chile
XANTHATE—(San Antonio) 5 dms, Peru; 10 dms, Chile; 20 dms, Rosebank, Bralorne; 20 dms, Capac, Coquimbo
PUTTY—2 cs, Rosebank, Vancouver; 3 kegs, 5 cs, President Van Buren, Manila
RESIN—10 dms, Monterey, Australia
GRANULAR—5 pkgs, Monterey, Australia
SYNTHETIC—10 dms, Monterey, Australia
VINYL—1 cs, Monterey, Australia
ROSEMARY—14 pkgs, Capac, Corinto
ROSIN—1 bbl, Capac, Corinto
RETARDER—3 dms, Capac, San Salvador
SARDINE MEAL — 200 sks, Silverbeech, Manila
SHELLAC—1 cs, Baja California, Guaymas
SILICA, POWDER—1 cs, Capac, Salaverry
SOAP—50 cs, President Van Buren, Manila
LAUNDRY—500 cs, President Van Buren, Manila
SCOURING—3 bdls, Monterey, Fiji Islands; 7 cs, Capac, Corinto; 1 cs, Baja California, Guaymas; 2 dms, Monterey, New Zealand
TOILET—(Monterey) 5 cs, Samoa; 1 cs, New Guinea; 1 cs, Papua; 450 cs, President Van Buren, Manila
SODA—(President Van Buren) 5 kegs, Singapore; 10 cs, Penang; 2 cs, Shanghai
ASH — 15 cks, Silverbeech, Manila; 1 cs, President Van Buren, Kalahasti; (Capac) 20 sks, San Juan del Sur; 20 sks, La Libertad; (Baja California) 1 bdl, Guaymas; 20 cs, Mazatlan
BICARBONATE—2 cs, Baja California, Mazatlan
CAUSTIC—(Capac) 1 dm, Granada; 6 dms, La Libertad; 6 dms, San Jose de Guatemala
CYANIDE—20 dms, Rosebank, Vancouver
MONOMETAPHOSPHATE — 833 sks, Monterey, Australia
SILICATE—334 sks, Silverbeech, Manila; 1 dm, Capac, Granada
SULPHIDE—10 dms, Baja California, La Paz
SOLVENT, PAINT—10 dms, Silverbeech, Singapore
PETROLEUM—250 dms, Rosebank, Shellburn
SOYBEAN FLOUR—15 sks, Monterey, Australia
SULPHUR—(Capac) 40 sks, Acajutla; 66 sks, La Union; 34 cs, San Jose de Guatemala
FLOWERS—112 sks, Monterey, Australia
GROUND—220 sks, Baja California, Mazatlan
REFINED—1 sk, Monterey, Australia
TALLOW—(Capac) 16 dms, San Jose de Guatemala; 128 dms, Guayaquil
TAPIOCA—(Capac) 9 sks, Guayaquil; 2 sks, Quezalterango; 31 sks, Baja California, Guaymas
TOILET PREPS—(Monterey) 11 cs, Samoa; 2 cs, Fiji Islands; 10 cs, Australia; (Silverbeech) 35 cs, Manila; 2 cs, Madras; (President Van Buren) 1 cs, Singapore; 10 cs, Hongkong; 3 cs, Bangkok; 6 cs, Capac, San Miguel
TREEWASH—31 cs, Monterey, Australia
TURPENTINE—(Capac) 3 dms, Paita; 4 dms, Guatemala
VARNISH—1 cs, Monterey, Samoa; 1 cs, Rosebank, Vancouver; 5 cs, President Van Buren, Bombay; (Capac) 2 cs, San Salvador; 4 dms, 4 cs, Santa Ana; 10 pls, 4 cs, Guatemala City; 3 cs, Antofagasta
VERMIN EXTERMINATOR—1 cs, Monterey, Fiji Islands
WATERPROOFING COMP—1 dm, Monterey, Australia
WAX—2 cs, President Van Buren, Hongkong
CARNAUBA—5 sks, President Van Buren, Manila
FLOOR—(Capac) 1 cs, San Salvador; 1 cs, Guatemala City
WHITING—1 cs, Capac, Corinto
ZINC DUST—100 dms, Monterey, Australia; 42 cs, San Antonio, Venezuela; 110 cs, Oakland, Hamburg; (Capac) 106 cs, Amapala; 22 cs, Peru
SKIMMINGS—112 dms, President Van Buren, Singapore

## Savannah Exports

### Clearance Dates

Dunstaffnage, December 17; Glaucus, December 23; Javanese Prince, December 15; Sekstant, December 20; West Imboden, December 16

COTTON LINTERS—200 bls, Dunstaffnage, Bremen
DEER TONGUE LEAVES—2 bls, Dunstaffnage, Rotterdam
GLUCOSE—60 bbls, Javanese Prince, Manila
ROSIN—(Dunstaffnage) 239 bbls, London; 274 bbls, Hamburg; 1,100 bbls, Czechoslovakia
GUM—(West Imboden) 250 bbls, Rio de Janeiro; 125 bbls, 125 dms, Santos; 200 bbls, Javanese Prince, Tsingtao; (Glaucus) 815 bbls, Batavia; 25 bbls, Pekalongan; 50 bbls, Tjilatjap; 30 bbls, Padang; 350 bbls, Cheribon; 775 bbls, Semarang; 500 bbls, Sourabaya; 170 bbls, Javanese Prince, Manila
SIZE—112 bgs, Dunstaffnage, Rotterdam
TURPENTINE—(Dunstaffnage) 800 bbls, London; 150 bbls, Rotterdam
GUM—300 cs, West Imboden, Montevideo
WOD—370 dms, 18 cs, Javanese Prince, Manila

## Tampa Exports

### Clearance Dates

Ethan Allen, December 16; Lindvangen, December 9; Monfiore, December 13; Sally, December 15

GASOLINE—6 dms, Sally, Belize
INSECTICIDE—2 dms, Lindvangen, Bridgetown
MANGANESE SULPHATE—100 lbs, Lindvangen, Kingston
OIL, FUEL—270 dms, Sally, Stann Creek
PHOSPHATE—3,002 tons, Monfiore, Genoa; 4,006 tons, Ethan Allen, Rotterdam

# Coastwise Shipments

## Los Angeles Coast Trade

GASOLINE — 7,795 bbls, San Diegan, San Diego; 47,679 bbls, Utacarbon, Oleum; 5,661 bbls, Utacarbon, Seattle; 2,138 bbls, Guyama, San Diego; 6,309 bbls, San Diegan, San Diego; 61,241 bbls, Huguenot, Seattle; 3,757 bbls, Brazos, San Diego
OIL, DIESEL—10,952 bbls, Tejon, Portland; 7,879 bbls, Brandywine, Tacoma; 8,479 bbls, Utacarbon, Seattle; 1,410 bbls, San Diegan, San Diego; 20,348 bbls, Huguenot, Seattle
FUEL—51,291 bbls, Tejon, Portland; 39,657 bbls, Brandywine, Tacoma; 49,609 bbls, Torres, Seattle; 2,342 bbls, Coast Farmer, Portland; 49,701 bbls, Topila, Avon; 53,580 bbls, Cuyama, San Diego; 8,889 bbls, Texada, Seattle; 2,000 bbls, Scotia, Eureka; 50,415 bbls, Brazos, San Diego; 7,259 bbls, Stanley A Griffiths, Seattle; 71,000 bbls, K R Kingsbury, Fall River
FURNACE — 5,890 bbls, Tejon, Portland; 18,482 bbls, Utacarbon, Seattle
PETROLEUM, CRUDE—74,573 bbls, Los Angeles, Oleum

## New Orleans Coast Trade

SULPHUR, CRUDE—(Henry D Whiton) 3,000 tons, Everett; 1,000 tons, Longview

## Cargo Ship Arrivals

**December 24 to January 6**

### New York

| | | |
|---|---|---|
| Ada | Lisbon | Jan 3 |
| Alaunia | Southampton* | Dec 27 |
| American Banker | London* | Dec 26 |
| American Shipper | Manchester* | Dec 27 |
| American Trader | London* | Jan 2 |
| Andania | Liverpool* | Jan 2 |
| Antigua | Puerto Barrios* | Dec 29 |
| Aobasan | Kobe* | Dec 27 |
| Bacchus | Ciudad Bolivar* | Jan 1 |
| Basil | Bahia* | Jan 6 |
| Black Falcon | Rotterdam* | Jan 4 |
| Black Gull | Rotterdam* | Dec 27 |
| Borinquen | Trujillo* | Jan 2 |
| Boston City | Swansea* | Jan 3 |
| Blankaholm | Norrsundet* | Jan 3 |
| Blommersdijk | Rotterdam | Dec 30 |
| Brazil | Buenos Aires* | Dec 27 |
| Bronxville | Sundsvall | Dec 27 |
| Buenaventura | Port au Prince* | Dec 27 |
| Calypso | Maracaibo* | Dec 28 |
| Cameronia | Glasgow* | Dec 30 |
| Cape Howe | Bahia* | Dec 23 |
| Carolinian | Portland* | Dec 29 |
| Castilla | Puerto Barrios* | Jan 2 |
| Chiriqui | Puerto Colombia* | Dec 29 |
| City of Baltimore | San Francisco* | Dec 26 |
| City of New York | Capetown | Jan 3 |
| City of Newport News | San Francisco* | Jan 2 |
| Coamo | Trujillo* | Dec 26 |
| Consuelo | Hull* | Jan 1 |
| Cubano | Buenos Aires* | Jan 3 |
| Eastern Prince | Buenos Aires* | Jan 4 |
| Edward Luckenbach | Seattle* | Jan 5 |
| Estrella | Marseilles* | Dec 26 |
| Examelia | Constanza* | Dec 27 |
| Excalibur | Jaffa* | Jan 5 |
| Exchange | Bourgas* | Jan 3 |
| Executive | Constanza* | Dec 30 |
| Fort Amherst | St John's* | Dec 29 |
| Franconia | Southampton* | Jan 1 |
| Frida | Valparaiso* | Dec 30 |
| Gerolstein | Antwerp* | Jan 2 |
| Giulia | Genoa* | Jan 5 |
| Gran | Lisbon* | Dec 29 |
| Hamburg | Hamburg* | Dec 29 |
| Hawnby | Port Alberni* | Dec 27 |
| Hegira | San Francisco | Dec 30 |
| Herman F Whiton | Longview* | Dec 20 |
| Ida | Trieste* | Jan 2 |
| Independence Hall | Dunkirk* | Jan 3 |
| Ingrid | Paramaribo* | Dec 27 |
| Iriona | Puerto Barrios* | Dec 26 |
| Jamaica | Port Limon* | Jan 1 |
| Jean Jadot | Antwerp | Dec 31 |
| K I Luckenbach | Seattle* | Dec 24 |
| Kaimata | Dunedin* | Dec 31 |
| Kiyokawa | Yokohama* | Dec 29 |
| Kongo | Singapore* | Jan 5 |
| Lucia C | Trieste* | Jan 7 |
| Malabar | Calcutta* | Dec 31 |
| Medea | Maracaibo* | Jan 2 |
| Mexico | Vera Cruz* | Jan 1 |
| Mokihana | Honolulu* | Dec 27 |
| Montanan | Tacoma* | Dec 27 |
| Mormacsul | San Pedro* | Dec 30 |
| Mormactide | Kotka* | Dec 24 |
| Nerissa | Trinidad* | Dec 24 |
| New Brunswick | Lagos* | Jan 3 |
| Noordam | Rotterdam | Jan 2 |
| Norderney | Rosario* | Jan 2 |
| Nordvest | Bombay* | Dec 24 |
| Oranje Nassau | Barbados* | Dec 20 |
| President Harding | Hamburg* | Dec 31 |
| President Roosevelt | Hamburg* | Dec 31 |
| Puerto Rico | Ponce* | Dec 28 |
| Quirigua | Port Limon* | Dec 25 |
| Ravnaas | Rosario* | Jan 3 |
| Rio Verde | Pernambuco* | Dec 26 |
| Robin Adair | Mombasa* | Dec 24 |
| Samaria | Liverpool* | Dec 26 |
| San Anselmo | Portland* | Dec 25 |
| San Bernardino | Portland* | Jan 6 |
| San Jacinto | La Romana* | Jan 2 |
| San Vincente | Portland* | Dec 26 |
| Santa Inez | Chanaral* | Dec 27 |
| Santa Rosa | Curacao* | Dec 27 |
| Scanstates | Kotka* | Dec 29 |
| Seatrain Havana | New Orleans* | Dec 27 |
| Siamese Prince | Hongkonk* | Dec 24 |
| Siantar | Macassar* | Jan 3 |
| Siboney | Vera Cruz* | Dec 25 |
| Schodack | Havre* | Dec 25 |
| Silverpine | Singapore* | Dec 28 |
| Tai Ping Yang | Manila* | Jan 3 |
| Telamon | Ciudad Bolivar* | Dec 26 |
| Texan | Portland* | Jan 6 |
| Texas Banker | Houston* | Dec 27 |
| Texas Ranger | Houston | Jan 2 |
| Thurland Castle | Manila* | Dec 25 |
| Tokai | Dairen* | Jan 3 |
| Tonsbergfjord | Antwerp* | Dec 28 |
| Topdalsfjord | Bergen* | Dec 27 |
| Trentbank | Calcutta* | Jan 2 |
| Urbino | Calcutta* | Dec 25 |
| Velox | Buenos Aires* | Jan 3 |

# Business Wants and Offers

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CONSOLIDATED OFFERS—Ten No. 3 Rotex sifters, motor driven; two 24-inch Mikro pulverizers; twelve vacuum dryers, shelf and rotary type; nine W. & P. mixers; five Sweetland filters; twenty plate type filter presses; thirty centrifugal machines; miscellaneous; rotary dryers, pulverizers, jacketed kettles, etc. Send for complete listing. We buy and sell from a single item to a complete plant. Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

FROM PLANT liquidations—Two 6-foot diameter Buffalo vacuum crystallizers; jacketed agitated vacuum stills 25 to 2,000 gallons, glass lined and steel; glass lined and steel storage tanks; 3 feet by 15 feet rotary vacuum dryer; Hardinge mill, 6 feet by 36 inches; pebble and jar mills to 250 gallons capacity; filter presses to 36 inches square; Stedman 42 inches disintegrator; W. & P. jacketed mixer, size 15; tablet machines, ½ inch to 2 inches, single punch and rotary. Mixers, crushers, pulverizers, roller mills, etc. Send for complete listings. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

### Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FIND what you want right in New York City. Pony mixers, post mixer, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street. SPring 7-8955.

FOR SALE.—One belt driven 12 inches by 30 inches water cooled Kent roller mill. BOX 233, Oil, Paint and Drug Reporter.

### Factories Offered

BRICK FACTORY, 50x125 concrete floor, 17½ ft. headroom, concrete floor, no columns, live steam available 24 hours a day, railroad siding, yard; unrestricted district, Newark, N. J. Low rent. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

### Positions Vacant

PAINT MANUFACTURER has immediate opening for superintendent who must be first-class industrial paint and varnish formulator and chemist. Reply: President, Box 6757, Pittsburgh, Pa., stating age, experience, salary expected and complete information to justify interview. Excellent opportunity for the right man.

THERE ARE openings available for men who have a successful record in the cosmetic field who have experience in advertising and who are thoroughly acquainted with federal and state rules and regulations in this field. BOX 234, Oil, Paint and Drug Reporter.

### Positions Vacant

WELL KNOWN pharmaceutical house wishes to expand its business in Puerto Rico and offers an excellent opportunity for a young man with the following qualifications: He should be an American citizen, speak Spanish fluently, be familiar with the export business and have some experience in the West Indies, preferably in the medicinal and pharmaceutical trade. Write fully. BOX 235, Oil, Paint and Drug Reporter.

### Positions Wanted

VARNISH MAKER, superintendent, desires connection with reputable manufacturer. Capable of taking complete charge of varnish manufacturing. Fully acquainted from years of experience in making architectural, industrial, furniture, bakings, synthetic and flat varnishes; first-class references. BOX 228, Oil, Paint and Drug Reporter.

EXECUTIVE SALES manager (Pharmacist-chemist) seeks contact with established manufacturer drugs, chemicals, pharmaceuticals, surgicals, hospital supplies or allied products. Prefer part-ownership out of salary connection. Philadelphian, national promotional experience and perspective. Unquestioned integrity. Employed, available soon. BOX 218, Oil, Paint and Drug Reporter.

EXPORT EXECUTIVE, 37, large experience Latin America, perfect Spanish, excellent connections, capable organizing new export product business, desires position. BOX 230, Oil, Paint and Drug Reporter.

MAN well acquainted with paint and varnish manufacturers in the Detroit area is desirous of representing a raw material manufacturer serving this type of trade. Especially interested in the sale of dry colors and solvents. BOX 231, Oil, Paint and Drug Reporter.

### Positions Wanted

YOUNG CHEMIST, college graduate, specialized in manufacture of paints, varnish, lacquers, wants position as laboratory assistant or plant assistant; good references; experience more important than salary. BOX 236, Oil, Paint and Drug Reporter.

### Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

### Surplus Stock

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

WE PURCHASE any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

CHECK INVENTORIES—Cash for any quantity, surplus finished or raw material—chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.


**SEASONS GREETINGS**

CONSOLIDATED PRODUCTS CO., Inc.
15-17-19 Park Row, New York City


| | | |
|---|---|---|
| Vingaren | Kotka* | Dec 26 |
| Walter A Luckenbach | Seattle* | Dec 29 |
| Washington | Seattle* | Dec 26 |
| Wildwood | Seattle* | Dec 27 |

* And other ports

## Recent Charters

MANGANESE ORE—5,000 tons, S S Clunepark, Vizagapatam to Calais, 21s 6d; January 10-February 15

MOLASSES—2,682 tons, S S Jenny, Cuba to North of Hatteras, ¾c; January

OIL, WHALE—2,318 tons, S S Carinthus, six trips, Rotterdam to Weesth, 7s 6d, commencing January

ORE—7,200-7,700 tons, S S Carras, Rio de Janeiro to Danzig or Gdynia, 11s 6d FIO; January

PETROLEUM—9,000 tons, S S Senator, dirty, Aruba, Curacao to United Kingdom, Continent, 6s 3d; December

4,710 tons, S S Jane Maersk, dirty, Venezuela to Northern States, two to three trips, 16c barrel; January
5,895 tons, S S Liev, dirty, Venezuela to Northern States, two trips, 15c; January
4,267 tons, S S El Grillo, dirty, Venezuela to Northern States, 14½c barrel; January
4,735 tons, S S Adellen, dirty, Venezuela to Northern States, several trips, 16c; January
5,651 tons, S S Brunswick, dirty, Venezuela to Northern States, 16c barrel; December-January
4,000 tons, S S Beme, clean, Constanza to Alexandria, 6s 6d; December
9,000 tons, S S Stikestad, clean, United States Gulf—E C, U K, 14s; December-January
9,000 tons, tanker, clean, United States Gulf, Lisbon and Cette, 16s; January
8,000 tons, S S Katrine Maersk, clean, Russian Black Sea, Bombay and Calcutta, private terms; January
10,000 tons, S S El Grillo, dirty, Venezuela, Northern States, 16c; December
4,000 tons, S S Heika, clean, Black Sea, Mediterranean, followed by Black Sea, Continent, private terms; December
3,206 tons, S S Lincoln Ellsworth, dirty, Aruba to Dakar, 7s 3d; January
6,071 tons, S S Gretafield, dirty, Gulf to Havre, 11s; January
5,397 tons, S S John Knudson, dirty, Aruba to West Italy, 10s; January
4,754 tons, S S Havprins, dirty, Venezuela to Northern States, 14c barrel; December-January
5,191 tons, S S Eli Knudson, dirty, Venezuela to Northern States, two trips, 14c barrel; January

PETROLEUM—110,000 bbls, S S W G Warden, crude light, Gulf to North of Hatteras, 30 degrees or lighter 24c minimum, 25c barrel
4,970 tons, S S Inneroy, dirty, Gulf to Buenos Aires, two trips, 11s 6d; February
3,086 tons, S S Ruth Kellogg, fuel oil, Gulf to North of Hatteras, 25c barrel; January
9,800 tons, S S Lise, clean, California, North China, two trips, 18s 6d; January-February
SALT—7,500 tons, S S Shakespeare, Massowah to Japan, 12s 6d; January
3,434 tons, S S Norse King, Ras Hafun to Japan, 12s 3d; January

## Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act, or did not comply with other customs regulations, included the following articles for the reasons stated:—

### New York
**Week Ended December 28**

Caraway seed, 1,700 bags; filthy.
Cassia oil, 11 drums; not U.S.P.
Medicinal preparations, 13 cases; false therapeutic claims.
Medicinal preparations, 2 cases; new drug.
Nutmegs, 33 bags; moldy.
Nutmegs, distilling, 541 bags; restricted use.
Sesame seed, 500 bags; filthy.

### Boston
**Week Ended December 28**

Hair dye, 1 package; false therapeutic claims.

### Los Angeles
**Week Ended December 15**

Hair dye, 240 pieces; coal tar dye without caution statement.
Medicinal preparations, 50 pieces; acetphenetidin not declared.
Medicinal preparations, 30 pieces; false therapeutic claims.

### Philadelphia
**Week Ended December 28**

Caraway seed, 110 bags; filthy.
Medicinal preparation, 1 package; new drug.
Medicinal preparation, 1 package; false therapeutic claims.

### San Francisco
**Week Ended December 15**

Hair dye, 192 pieces; coaltar dye without caution statement.
Medicinal preparations, 36 pieces; dangerous to health.
Medicinal preparations, 15 pieces; new drug and false therapeutic claims.

### Seattle
**Week Ended December 15**

Celery seed, 40 bags; filthy.
Hair dye, 240 pieces; coal tar dye without caution statement.
Insecticide, 100 pieces; false insecticidal claims.
Medicinal preparations, 144 pieces; false therapeutic claims.
Peanuts, 250 bags; decomposed.

## Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any direct office or co-operative office of the bureau, and not to this publication. When writing give the number of the item:—

Ammonia sulphate:—Purchase and agency; Calcutta, India (8873).
Beeswax:—Purchase; Sydney, Australia (8877).
Borax:—Purchase and agency; Calcutta, India (8873).
Calcium arsenate'—Agency; Lima, Peru (8891).
Chemicals'—Agency; Durres, Albania (8923).
Cosmetics:—Agency; Malta, Maltese Islands (8885).
Cosmetic colors:—Purchase; Sydney, Australia (8877).
Cosmetic materials:—Purchase; Sydney, Australia (8877).
Chewing gum:—Purchase or agency; Lima, Peru (8893).
Drugs:—Agency; Winnipeg, Canada (8875).
Dyes, textile:—Purchase; Calcutta, India (8874).
Dynamite:—Agency; Lima, Peru (8891).
Earths, infusorial: — Purchase and agency; London, England (8907).
Milk, powder:—Agency; London, England (8929).
Oil, vegetable:—Purchase; Lima, Peru (8893).
Paints:—Agency; Sydney, Australia (8876).
Painting equipment:—Agency; Santiago, Chile (8904).
Pharmaceuticals:—Agency; Rio de Janeiro, Brazil (8940).
Petrolatum:—Purchase; Prague, Czechoslovakia (8936).
Petroleum jelly:—Purchase; Sydney, Australia (8877).
Proprietary medicines:—Agency; Rio de Janeiro, Brazil (8940).
Oil, mineral:—Agency; Oran, Algeria (8896).
Rosin:—Purchase and agency; Calcutta, India (8873).
Soaps:—Agency; Malta, Maltese Islands (8895).
Soda ash:—Purchase and agency; Calcutta, India (8873).
Soda bichromate:—Purchase and agency; Calcutta, India (8873).
Soda, caustic:—Purchase and agency; Calcutta, India (8873).
Stearates:—Purchase; Sydney, Australia (8877).
Sulphur:—Purchase and agency; Calcutta, India (8873).
Turpentine:—Purchase; Prague, Czechoslovakia (8936).
Wax, cerecine:—Purchase; Sydney, Australia (8877).


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### Charles K. Weston Retires As du Pont Publicity Head

Charles K. Weston, public relations of E. I. Du Pont de Nemours & Co., Wilmington will retire Jan. 1 after being with the company twenty-two years. Theodore G. Joslin, who has resigned as president of News-Journal Company, Wilmington, will succeed Mr. Weston in the post, effective Dec. 31. Mr. Weston will continue to serve Du Pont in an advisory capacity to J. W. McCoy, vice-president.

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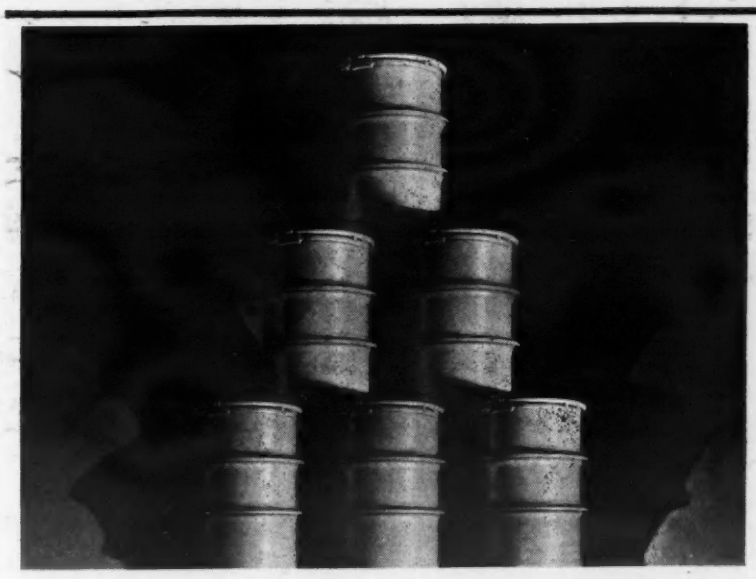

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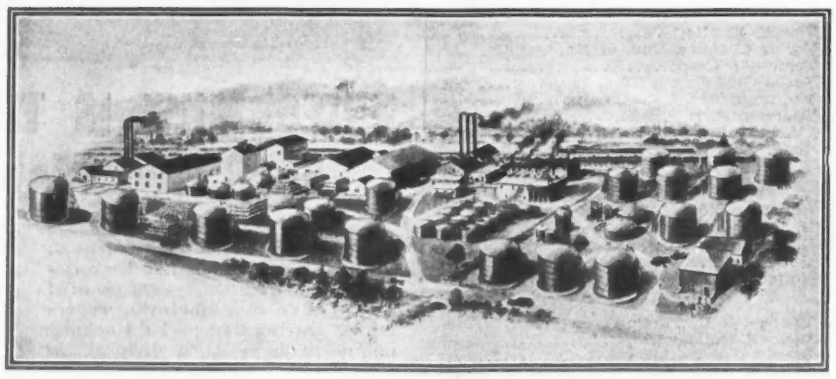

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